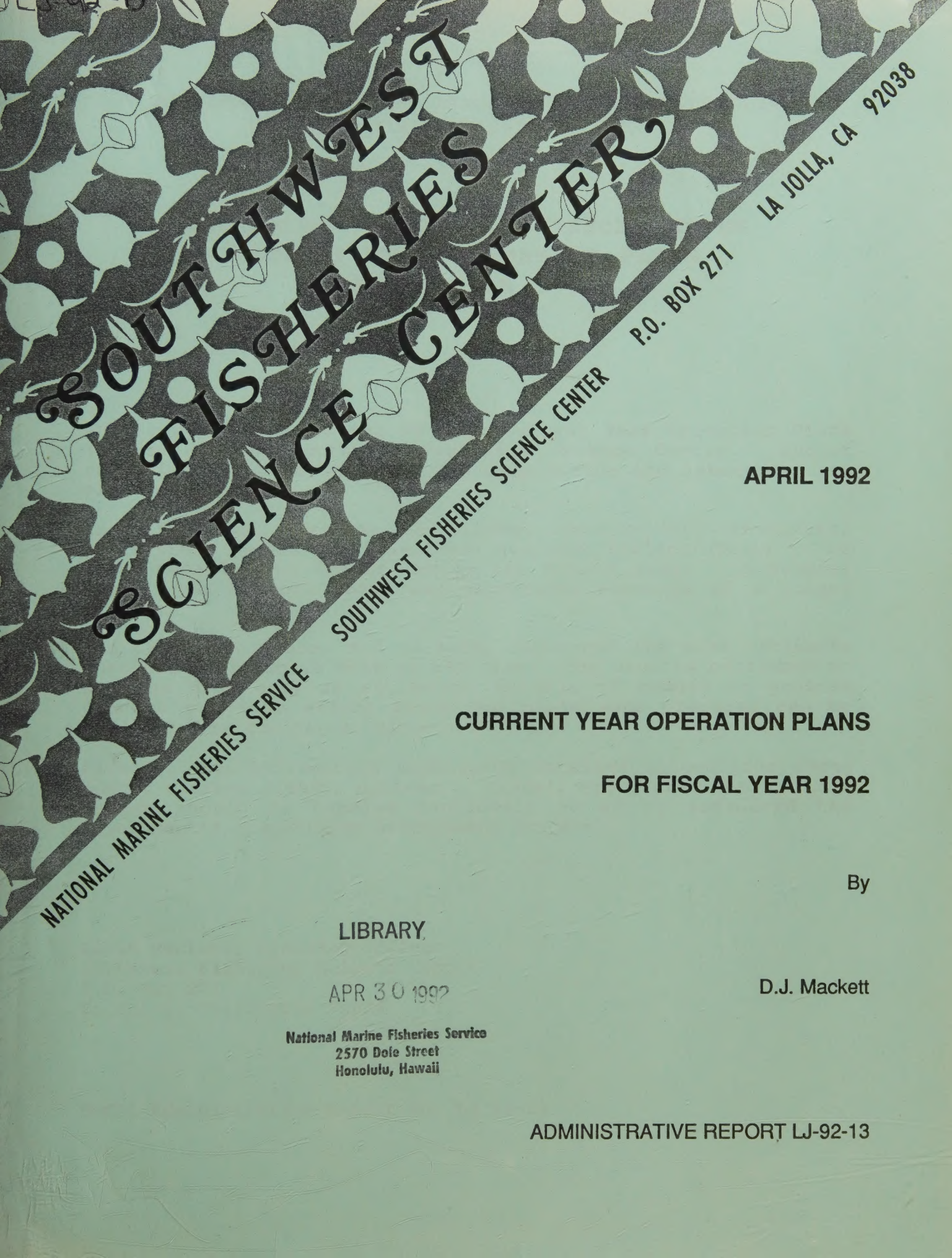




SOUTHWEST FISHERIES SCIENCE CENTER

NATIONAL MARINE FISHERIES SERVICE

SOUTHWEST FISHERIES SCIENCE CENTER

P.O. BOX 271

LA JOLLA, CA 92038

APRIL 1992

CURRENT YEAR OPERATION PLANS

FOR FISCAL YEAR 1992

By

LIBRARY

APR 30 1992

D.J. Mackett

National Marine Fisheries Service
2570 Dole Street
Honolulu, Hawaii

ADMINISTRATIVE REPORT LJ-92-13

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL MARINE FISHERIES SERVICE

**SOUTHWEST FISHERIES SCIENCE CENTER
CURRENT YEAR OPERATION PLANS
FISCAL YEAR 1992**

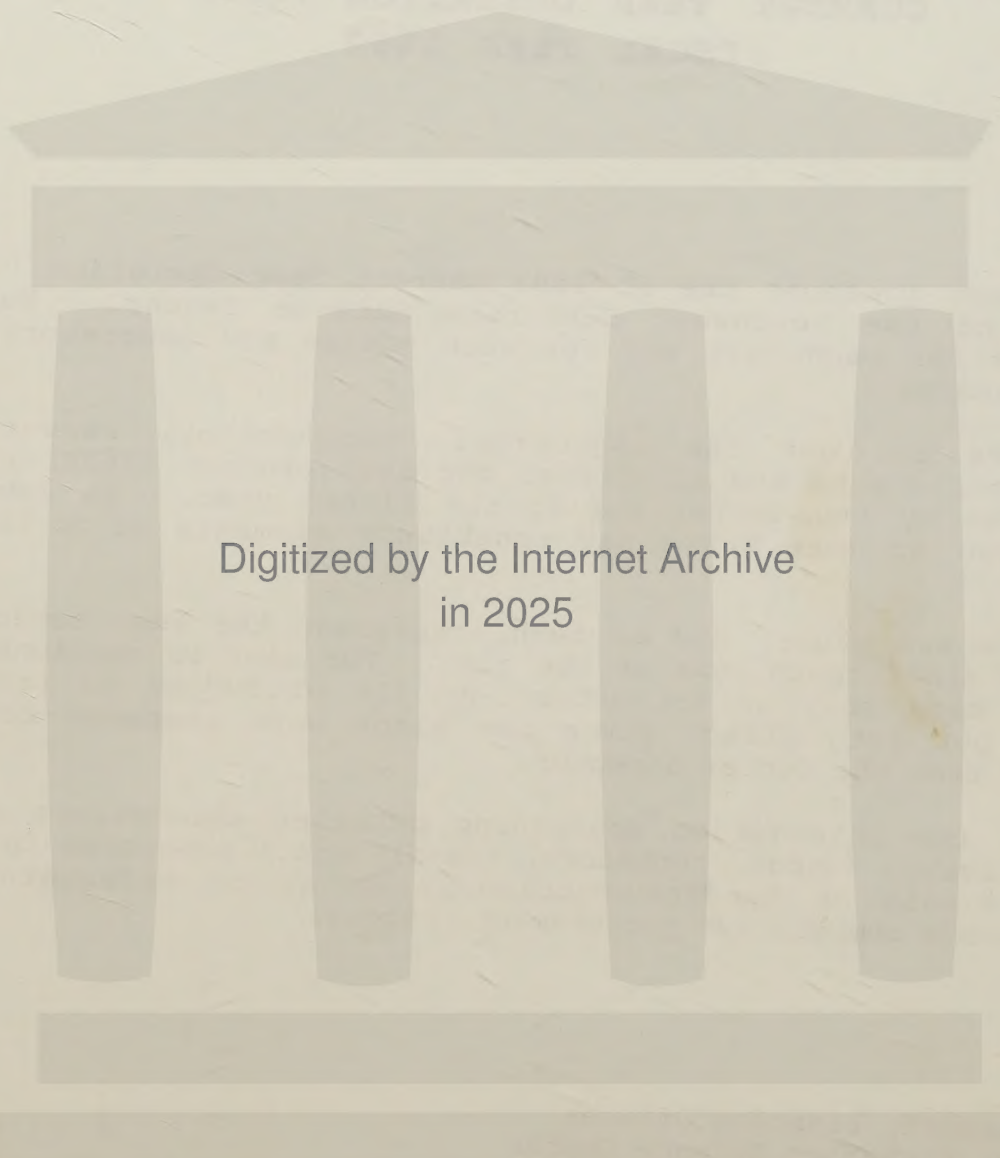
This report presents the FY 1992 Current Year Operation Plans (CYOPs) of the Southwest Fisheries Science Center. Budget summaries for each Task and for each office and laboratory are also presented.

The CYOPs set out the objectives, methodology, resources, activities, events and milestones for each project (Task) to be undertaken by the Center during the fiscal year. In several cases, two or more Tasks may constitute elements of a larger program.

The CYOPs are plans, and as such, represent the best estimates that the staff could make at the time. The user is cautioned to use the data only as estimates; details of budget or program changes put into effect since the plans were prepared can be obtained from the Center Director.

Finally, the information concerning detailed allocations among budget classes (labor, contracts, travel, etc.) presented in this report should be handled cautiously so as to safeguard the Government's competitive procurement process.

David Mackett, Planning Officer
Southwest Fisheries Science Center
P.O. Box 271
La Jolla, California 92038



Digitized by the Internet Archive
in 2025

CYOP REF#	TITLE	TASK LEADER	FTE	AMOUNT (\$K)
050	GENERAL SUPPORT	BARRETT	14.3	546.1
051	SCIENTIFIC SERVICES	NEAL	7.4	361.0
052	INFORMATION TECHNOLOGY SERVICES	ROLL	5.0	326.8
060	SENIOR SCIENTIST	PERRIN	2.0	148.7
		Subtotal	28.7	1382.6
301	COASTAL E. PAC. POP. BIOL. FISHES	HUNTER	7.0	373.1
304	FISHERIES ENVIRONMENTAL INVEST.	LAURS	5.0	307.1
318	ECOLOGY & SYSTEMATICS OF FISHES	MOSER	5.0	255.4
319	COASTAL & PAC. FISH. RES. INVEST.	CHARTER	7.6	378.6
320	SURVEY SYSTEMS DEVELOP & EVALUATION	SMITH	6.0	330.5
330	COMM. & REC. FISH. RES. FOR MGMNT.	JACOBSON	6.5	332.3
		Subtotal	37.1	1977.0
401	TUNA & LG. PEL. STOCK INVESTIGATIONS	BARTOO	5.0	355.8
411	MULTISPECIES DATA COLLECTION & EVAL.	COAN	9.0	367.5
421	OCEANIC FISHERIES EVALUATION	SAKAGAWA	2.0	148.0
431	PELAGIC ECOSYSTEM MODELLING	KLEIBER	2.0	117.0
		Subtotal	18.0	988.3
510	DOLPHIN ASSESSMENT PROGRAM	DEMASTER	6.9	367.1
520	BIOLOGICAL ASSESSMENT PROGRAM	DIZON	11.56	591.5
530	DOLPHIN ECOLOGY PROGRAM	REILLY	4.75	244.4
540	COASTAL MARINE MAMMAL PROGRAM	BARLOW	6.5	594.8
550	FISHERY-DEPENDENT ANALYSIS PROGRAM	EDWARDS	6.0	802.9
		Subtotal	35.71	2600.7
601	ANTARCTIC ECOSYSTEM RESEARCH GROUP	HOLT	5.4	1263.1
		Subtotal	5.4	1263.1
700	HONOLULU LAB DIRECTOR'S OFFC. & ADMIN	BOEHLERT	7.2	428.7
701	DATA MANAGEMENT & TECHNICAL SERVICES	TIEMAN	8.9	402.1
710	FISHERY OCEANOGRAPHY RESEARCH PROG.	BOEHLERT	2.8	139.3
720	PELAGIC SYSTEM DYNAMIC PROGRAM	WETHERALL	2.3	151.2
721	PELAGIC ECOSYSTEM PROGRAM	BRILL	1.8	117.5
722	PELAGIC STOCK ASSESSMENT PROGRAM	SKILLMAN	5.06	271.8
723	N. P. ALBACORE DRIFTNET IMPACTS	WETHERALL	10.5	656.0
730	INSULAR STOCK ASSESSMENT	POLOVINA	4.3	171.1
731	INSULAR ECOLOGY PROGRAM	DEMARTINI	4.0	160.7
732	FISHERY SYSTEMS DYNAMICS	POLOVINA	5.0	281.6
740	FISHERY MANAGEMENT & ECONOMICS	POOLEY	6.5	324.0
741	WPACFIN	HAMM	2.3	110.2
742	FISHERY DATA MANAGEMENT	HAMM	3.6	165.7
750	PROTECTED SPECIES INVESTIGATION	GILMARTIN	6.1	325.5
775	MARINE TURTLE (ADD ON)	BALAZS	2.4	230.0
		Subtotal	72.76	3935.4
800	TIBURON LABORATORY ADMINISTRATION	MACCALL	7.3	350.7
811	GROUND FISH ANALYSIS	LENARZ	7.5	408.5
812	GROUND FISH COMMUNITIES	HOBSON	6.0	332.2
813	GROUND FISH PHYSIOLOGICAL ECOLOGY	WHIPPLE	6.0	358.0
821	FISHERY MANAGEMENT ADVISORIES	MACCALL	3.5	314.8
		Subtotal	30.3	1764.2
901	PACIFIC FISHERIES ENVIRONMENTAL GRP	BAKUN	10.8	723.1
		Subtotal	10.8	723.1

APPROVAL SIGNATURE:

Sadore Barrett

4/23/92

NMFS
CURRENT YEAR OPERATION PLAN
FY 1992

FMC: SWFSC

PAGE 2 OF 2

CYOP REF#	TITLE	TASK LEADER	FTE	AMOUNT (\$K)
952	MULTISPECIES DATA COLL. & EVAL.	COAN	0.5	25.0
955	MULTISPECIES DATA COLL. & EVAL.	COAN	2.0	53.0
957	PROTECTED SPECIES INVESTIGATION	GILMARTIN	7.9	506.0
958	PACIFIC-TUNA/BILLFISH MGMT-JIMAR	BARRETT	0.0	1564.0
962	DEBRIS REMOVAL/MONK SEAL BH	GILMARTIN	0.6	20.0
963	NEW SAMPLING METHOD/PEL J. MAR. TURT.	BALAZS	0.4	25.0
968	MULTISPECIES DATA COLL. & EVAL.	COAN	0.5	25.0
970	WPACFIN (ADD-ON)	HAMM	3.1	119.5
971	LOGLINE LOGBOOK (ADD-ON)	POOLEY	1.5	61.5
		Subtotal	16.5	2399.0
		TOTAL	255.27	17,033.4

APPROVAL SIGNATURE:

Zadore Barrett 4/23/92

NMFS
CURRENT YEAR OPERATING PLAN
FY 1992

DATE FEB. 20, 1992

FMC REF. NO. PAGE

SWC 050 1 OF 3

TITLE	->	GENERAL SUPPORT		
TASK NUMBERS ->	9WGN40C0	9WGN40LO	9WGN40MO	9WGN40TI
OBJECT CLASS	TASK #1			
DIRECT LABOR	337.4			TOTAL 337.4
PERS. BENEFITS	64.8			64.8
TRAVEL	36.1			36.1
TRANSPORTATION				
RENT, COMM., UTIL.	100.0			100.0
PRINT/REPROD.	4.0			4.0
CONTRACTS				
SUPPLIES/MATERIAL	3.8			3.8
EQUIPMENT	1.0			1.0
GRANTS				
TOTALS	546.1			546.1
FTE (FTP)	13.1			13.1
FTE (OTFTP)	1.2			1.2

APPROVAL SIGNATURE

HQ CONTACT

STRATEGIC PLAN

GOAL # OBJ #

VESSELS
SEA DAYS ALLOC.

NOAA CHARTER FREE

CROSS REFERENCES

NOAA FISHERIES
CURRENT YEAR OPERATING PLAN

EXECUTIVE SUMMARY

FMC	REF. NO.	PAGE
SWR	050	2 of 3

TITLE	PRIN. FAC.	FTE	\$K	UNIT LEADER	LINE ITEM NAME
Center Support	La Jolla, CA			Barrett	General Support

- A. PROBLEM STATEMENT/OBJECTIVE: Center management and La Jolla support
- B. METHODOLOGY/APPROACH:
- C. PRODUCT/SERVICES: Management and Administration support related to Region/Center programs.
- D. CLIENTS: Region/Center/NMFS programs and goals
- E. CONTRACTS: No research contracts

CURRENT YEAR OPERATING PLAN

FMC

REF. NO.

PAGE

PERSONNEL SCHEDULE

SWR

3

of

3

# NAME	TITLE	PAY PLAN/GRADE/STEP	% TIME	TASK #
1. BARRETT, IZADORE	DIRECTOR	ES IV	100	9WGN40C0
2. NEAL, RICHARD	DEPUTY DIRECTOR	GM-15	100	9WGN40C0
3. REMINGTON, BENJAMIN	EXECUTIVE OFFICER	GM-13	100	9WGN40C0
4. HOSTLER, VIRGINIA	EQUAL EMPLOY. MANAGER	GS-11	100	9WGN40C0
5. WEST, ALICE	SECRETARY	GS-7	100	9WGN40C0
6. LAROCHE, NANCY	COMPUTER ASSISTANT	GS-7	100	9WGN40C0
7. ENGSTRAND, BARBARA R.	PROG. SUPPORT SPECLST.	GS-11	100	9WGN40L0
8. WATKINS, BARBARA A.	PROCUREMENT AGENT	GS-7	100	9WGN40L0
9. PEREZ, ESTHER (T/PT)	CLERK	GS-4	50	9WGN40L0
10. WHYTE, RONALD H.	CASH & ATTEND. CLERK	GS-4	100	9WGN40L0
11. HIGA, MARTHA	SECRETARY	GS-5	100	9WGN40L0
12. HOLDER, P. GAYE	TRAVEL CLERK	GS-5	100	9WGN40L0
13. MARROW, MERLE	ENGINEERING TECHNICIAN	GS-10	100	9WGN40M0
14. KROM, STANLEY	MAINTENANCE MECHANIC	WG-7	100	9WGN40M0
15. DAGENAIS, NICOLE (T/PT)	DATA TRANSCR	GS-4	70	9WGN40L0
16. NESS, HOWARD	ECONOMIST	GM-14	.10	9WGN40TI

NMFS
CURRENT YEAR OPERATING PLAN
FY 1992

DATE	February 1992		
FMC	REF. NO.	PAGE	
SWC	051	1 OF 3	

TITLE	->	Scientific Services			
		8L1A1AYO	8L1A1ALT	8L1A1ALL	
TASK NUMBERS ->		TASK #1	TASK #2	TASK #3	TASK #4
OBJECT CLASS		Illustra.	Editorial	Library	
DIRECT LABOR		113.0	70.9	52.5	
PERS. BENEFITS		21.5	13.6	10.0	
TRAVEL		0.4	0.5	2.5	
TRANSPORTATION					
RENT, COMM., UTIL.				0.9	
PRINT/REPROD.				8.5	
CONTRACTS		11.0		0.5	
SUPPLIES/MATERIAL		6.6	0.5	39.1	
EQUIPMENT		5.0		4.0	
GRANTS					
TOTALS		157.5	85.5	118.0	
FTE (FTP)		3.0	1.2	2.0	
FTE (OTFTP)			1.2		

TOTAL

236.4

45.1

3.4

0.9

8.5

11.5

46.2

9.0

STRATEGIC PLAN

GOAL #
ALL

OBJ #

VESSELS
SEA DAYS ALLOC.

NOAA

CHARTER

FREE

CROSS REFERENCES

HQ CONTACT

4/2/92

APPROVAL SIGNATURE

Edore Bancett

CURRENT YEAR OPERATING PLAN

FMC	REF. NO.	PAGE
SWC	051	3 of 3

PERSONNEL SCHEDULE

#	NAME	TITLE	PAY PLAN/GRADE/STEP	% TIME	TASK #
1.	Smith, Susan	Writer	GS 12/4	100	8L1A1ALT
2.	Prescott, Lorraine	Editorial Assistant	GS 7/10	20	8L1A1ALT
3.	Losey, Debra	Librarian	GS 9/6	100	8L1A1ALL
4.	Stephan, Betty	Library Technician	GS 5/6	100	8L1A1ALL
5.	Raymond, Kenneth	Scientific Illustrator	GS 12/9	100	8L1A1AY0
6.	Allen, Roy	Scientific Illustrator	GS 9/7	100	8L1A1AY0
7.	Orr, Henry	Scientific Illustrator	GS 9/7	100	8L1A1AY0
8.	Blair, Connie	Writer/Editor	GS 5/2	80	8L1A1ALT
9.	Vacant (Temp.)	Editorial Assistant	GS 5/1	40	8L1A1ALT

TITLE	->	Information Technology Services			
TASK NUMBERS ->	8L1C1AG0	TASK #1	TASK #2	TASK #3	TASK #4
OBJECT CLASS					
DIRECT LABOR	203.1				TOTAL
PERS. BENEFITS	38.9				203.1
TRAVEL	5.0				38.9
TRANSPORTATION	.1				5.0
RENT, COMM., UTIL.	4.0				.1
PRINT/REPROD.					4.0
CONTRACTS	39.0				
SUPPLIES/MATERIAL	10.8				39.0
EQUIPMENT	25.9				10.8
GRANTS					25.9
TOTALS	326.8				326.8
FTE (FTP)	5				5
FTE (OTFTP)					

STRATEGIC PLAN	
GOAL #	OBJ #

VESSELS # SEA DAYS ALLOC.		
NOAA	CHARTER	FREE

CROSS REFERENCES

APPROVAL SIGNATURE

HQ CONTACT

CURRENT YEAR OPERATING PLAN

EXECUTIVE SUMMARY

FMC	REF. NO.	PAGE
SWC	052	2 of 5

TITLE	PRIN. FAC.	FTE	\$K	UNIT LEADER	LINE ITEM NAME
Information Technology Srvc	La Jolla, CA	5	326.8	Roll	Info.Anal./Dissemination

- A. **PROBLEM STATEMENT/OBJECTIVE:** Information Technology Services (ITS) provides the professional computer technology support services for the Center's management, research, and administrative staff to efficiently and effectively meet NMFS mission in the management of the living marine resources. The services cover a broad spectrum of computer technology to support the multi-disciplined environment in the Center.
- B. **METHODOLOGY/APPROACH:** To fulfill the charter of ITS, the ITS staff stays abreast of the rapid paced changes in technology trends in the computer hardware, software, and telecommunication fields by 1) reviewing the weekly and monthly computer related magazines/newsweeks, 2) evaluating off-the-shelf equipment and software to assess how they might contribute to the Center's productivity, and 3) attending advanced technical training workshops, seminars, and trade shows.
- C. **PRODUCT/SERVICES:** ITS serves 1) as the technical advisor to the SWC Science and Research Director's Office in the development of the long/short range information technology plans and the strategy for the transition from the obsolete to the next-generation computer resources and 2) as the service unit for the Center's staff by designing/implementing information management systems, providing hardware/software and telecommunication consulting services, and conducting/providing computer-related training programs.
- D. **CLIENTS:** The primary clients for these services are the management, scientific, technical, and administrative personnel at the La Jolla Laboratory. The ITS staff provides information and assistance to the staff at the Southwest Region Office and the remote laboratories of the Southwest Fisheries Science Center and provides the liaison with NMFS HQ, other Fisheries Regions/Centers, National Ocean Service, and other federal and state agencies.

CURRENT YEAR OPERATING PLAN

FMC	REF. NO.	PAGE
SWC	052	3 of 5

PERSONNEL SCHEDULE

#	NAME	TITLE	PAY PLAN/GRADE/STEP	% TIME	TASK #
Roll, Dorothy D.	Supv.Computer Systems Analyst	GM 334-13	100%	8L1C1AG0	
Ralston, Frank M.	Computer Systems Analyst	GS 334-12-4	100%	8L1C1AG0	
Bistodeau, Robert S.	Computer Specialist	GS 334-12-1	100%	8L1C1AG0	
Jacobson, Susan	Computer Specialist	GS 334-11-6	100%	8L1C1AG0	
Bones, Matthew D.	Electronics Technician	GS 856-11-3	100%	8L1C1AG0	

CURRENT YEAR OPERATING PLAN

FMC	REF. NO.	PAGE
SWC	052	5 of 5

MILESTONE ARRAY

[illegible]

CURRENT YEAR OPERATING PLAN
FY 1992

NOAA

6/94

FMC	REF. NO.	PAGE
SWR	060	1 OF 4

STRATEGIC PLAN GOAL #: 4 OBJ #: 2

TITLE	->	Senior Scientist			
TASK NAMES ->	8L1C5VP1				
OBJECT CLASS	TASK #1	TASK #2	TASK #3	TASK #4	TOTALS
DIRECT LABOR	105.3				105.3
PERS. BENEFITS	20.1				20.1
TRAVEL	4.1				4.1
TRANSPORTATION	1.0				1.0
RENT, COMM., UTIL.	0				0
PRINT/REPROD.	1.2				1.2
CONTRACTS	2.0				2.0
SUPPLIES/MATERIAL	7.0				7.0
EQUIPMENT	8.0				8.0
GRANTS	0				0
TOTALS ->	148.7				148.7
FTE (FTP)	2.0				2.0
FTE (OTFTP)	----				----

VESSELS	
# SEA DAYS ALLOC.	
NOAA	CHARTERS
# FREE DAYS	

CROSS REFERENCES 510, 520, 530

APPROVAL SIGNATURE *Josephine Barnett* 017 HQ CONTACT

EXECUTIVE SUMMARY

ETP	REF. NO.	PAGE
SWR	060	2 OF 4

TITLE	PRIN. FAC.	FTE	\$K	UNIT LEADER	LINE ITEM NAME
Senior Scientist	SWC-La Jolla	2.0	148.7	W. F. Perrin	Resource Information

A. PROBLEM STATEMENT/OBJECTIVE: Support the conservation and management at domestic and international levels of marine mammals and endangered species and their critical habitats while evaluating commercial and recreational utilization as permitted by law (Ecosystem objective No. 4 of West Coast and Pacific Insular Ecosystem Group).

B. METHODOLOGY/APPROACH:

1. Provide a scientific basis for delineation of stocks of dolphins to be managed in conjunction with the tuna fishery in the ETP and fisheries in the ENP.
2. Provide expertise, advice and information on population biology for international conservation and management of cetaceans.

C. PRODUCT/SERVICES:

1. Technical contributions to the literature on population biology of cetaceans in the ETP and elsewhere.
2. Advice and planning documents.
3. Organization and operation of national and international workshops, symposia and advisory bodies.

D. CLIENTS:

1. SWC/SWR
2. IWC
3. IUCN
4. US MMC
5. CMS

E: CONTRACTS: None

FY 1992

PERSONNEL SCHEDULE

FFC	REF. NO.	PAGE
SWR	060	3 OF 4

#	NAME	TITLE	PAY PLAN/GRADE/STEP	% TIME	TASK #
	Perrin, William F. Kashiwada, Jerry V.	Sup. Fishery Biologist Biologist Technician FISHERIES BIOLOGIST	GM/15 GS/7/3	100 100	8L1ASVP1 8L1ASVP1 8L1ASVP1
(PART-TIME LE DUC, RICHARD		FISHERIES BIOLOGIST	GS/7-1	50	8L2B1P2B)

RESOURCE SUMMARY

NMFS
CURRENT YEAR OPERATING PLAN
FY 1992

DATE 12-19-91

FMC	REF. NO.	PAGE
SWR	301	1 OF 6

TITLE	->	Coastal E. Pac. Pop. Biol. Fishes
TASK NUMBERS ->	8L1A3AAO	
OBJECT CLASS	TASK #1	TASK #2
	TASK #3	TASK #4
DIRECT LABOR	264.6	
PERS. BENEFITS	50.5	
TRAVEL	3.0	
TRANSPORTATION	0.0	
RENT, COMM., UTIL.	11.2	
PRINT/REPROD.	2.0	
CONTRACTS	4.0	
SUPPLIES/MATERIAL	15.0	
EQUIPMENT	10.8	
GRANTS	12.0	
TOTALS	373.1	
FTE (FTP)	7.0	
FTE (OTFTP)	0.0	

STRATEGIC PLAN	GOAL #:	1	OBJ #:	1-3
		2		1-2
		6		1

TOTAL	
264.6	
50.5	
3.0	
0.0	
11.2	
2.0	
4.0	
15.0	
10.8	
12.0	
373.1	
7.0	
0.0	

VESELS	# SEA DAYS ALLOC.
NOAA	CHARTER
# FREE DAYS	

CROSS REFERENCES	304	330
	318	
	319	
	320	

APPROVAL SIGNATURE *Spencer Barrett* 4/2/92

HQ CONTACT

EXECUTIVE SUMMARY

FMC	REF. NO.	PAGE
SWR	301	2 OF 6

TITLE	PRIN. FAC.	FTE	\$K	UNIT LEADER	LINE ITEM NAME
Pop. Biol. Fish. Coast	La Jolla	7.0	373.1	J.R. Hunter	Resource Information

- A. **PROBLEM STATEMENT/OBJECTIVE:** This task provides biological data needed for fishery independent biomass assessment of coastal pelagic and groundfishes and data needed for understanding the dynamics of these populations such as estimating the effect of environment and population size and structure on growth, reproduction, mortality, and recruitment. Data are also provided on potential interactions among major fish stocks.
- B. **METHODOLOGY/APPROACH:** Our approach is to emphasize the development of new methodologies and evaluations of methods and assumptions underlying standard techniques while providing data needed for management of the stocks. Methodologies include: (1) Laboratory studies designed to develop accurate tools and procedures for sea assessment of biological rates such as spawning, growth, starvation mortality, predation mortality, and use and allocation of energy, (2) Conduction of annual cruises designed to estimate these rates, and (3) Analysis of these data and, in cooperation with other Coastal Division staff, the development of models that provide estimates of biomass and population dynamics based on the data collected at sea.
- C. **PRODUCT/SERVICES:** We produce two classes of products: (1) Parameter estimates and models used by the Commercial and Recreational Fisheries Research Management program of the Center for biomass estimates and for incorporation in management plans for west coast groundfish and wetfish stocks and (2) Development of new methodologies and concepts used by fishery scientists in other NMFS Centers, state agencies, and fisheries groups world-wide and made available through scientific publication and presentation. For example, this task has played a leading international role in recruitment research and ichthyoplankton biomass assessment.
- D. **CLIENTS:** Models and population assessments produced by the task will be used by various fishery management teams including Fishery Management Plan Teams, the Pacific Fishery Management Council, California Department of Fish and Game, and other state management groups.
- E. **CONTRACTS:** Production of histological slides of fish ovaries collected on NMFS surveys (\$4K). Private microtechnique vendors are used.

PERSONNEL SCHEDULE

3 OF 6

301

SWR

#	NAME	TITLE	PAY PLAN/GRADE/STEP	% TIME	TASK #
1.	John R. Hunter	Fishery Biologist (R)	GM	100%	8L1A3AAO
2.	Russell D. Vetter	Adm.	GS	100%	8L1A3AAO
3.	Carol A. Kimbrell	Physiologist	GS	100%	8L1A3AAO
4.	Eric A. Lynn	Fishery Biologist (R)	GS	100%	8L1A3AAO
5.	Beverly J. Macewicz	Fishery Biologist (R)	GS	100%	8L1A3AAO
6.	Diane E. Foster	Secretary	GS	100%	8L1A3AAO
7.	Larry L. Robertson	Biological Tech. Fish.	GS	100%	8L1A3AAO

FMC	REF. NO.	PAGE
-----	----------	------

FMC	REF. NO.	PAGE
SWR	301	5 OF 6

MILESTONE ARRAY

MILESTONE ARRAY			SIGNIFICANT MILESTONE DESCRIPTIONS											
TASK #	MAE	SEQ												
8L1A3AAO	M	8	Prepare manuscript on relationship between fish distributions relative to the OMZ and blood and tissue adaptations to low oxygen.											
"	A	9	Optimize sample collection and extraction procedures for DNA samples.											
"	A	10	Develop standard protocol for PCR amplification of extracted DNA from a variety of different fish samples including eggs and larvae.											
"	A	11	Identify regions of high sequence variability in mitochondrial DNA that are suitable for analysis of population level differences.											
"	A	12	Complete sequencing of <i>Sebastolobus altivelus</i> and <i>Sebastolobus alascanus</i> populations from Alaska, Oregon, and northern and southern California.											
"	M	13	Prepare manuscript on north-south variations in mtDNA sequences of <i>S. altivelus</i> and <i>S. alascanus</i> with NRC fellow Dr. C. Stepien.											
"	E	14	Edit and review for publication volume on egg production method.											
"	E	15	Strip and fertilize eggs of different groundfish species on the winter Monterey Bay cruise. Incubate eggs at three different temperatures to get development rates for EPM estimates. Provide material to G. Moser for staging.											
"	E	16	Conduct several, one-day cruises to collect <i>S. altivelus</i> and <i>S. alascanus</i> by long-line to obtain undamaged individuals for brood stock.											

CURRENT YEAR OPERATING PLAN

FMC	REF. NO.	PAGE
SWR	301	6 OF 6

MILESTONE ARRAY														
TASK #	MAE	SEQ	SIGNIFICANT MILESTONE DESCRIPTIONS											
8L1A3AAO	A	17	Conduct experiments designed to promote growth and sexual maturation of Dover sole. Continue to vary photoperiod as a possible spawning cue.											
"	A	18	Develop defined, semi-artificial diet that will permit incorporation of vitamins and hormones into daily ration of brood stock.											
"	A	19	Estimate spawning frequency and batch fecundity of jack mackerel using specimens taken during Soviet/U.S. 1991 cruise.											
"	M	20	Write administrative report on sablefish fecundity.											
			FY 92				93		94					
			1	2	3	4	1	2	1	2				
			0 - - -				M							
			0 - - -				M							
							A							
							A							

RESOURCE SUMMARY

NMFS
CURRENT YEAR OPERATING PLAN
FY 1992

DATE 10-91

FMC	REF. NO.	PAGE
SWR	304	1 OF 5

TITLE --> Fisheries Environmental Invest.

STRATEGIC PLAN
GOAL #: 1 3 OBJ #: 2 1-3

TASK NUMBERS -->	TASK #1	TASK #2	TASK #3	TASK #4	TOTAL
OBJECT CLASS	8L1A4BE0				
DIRECT LABOR	244.0				244.0
PERS. BENEFITS	46.6				46.6
TRAVEL	3.0				3.0
TRANSPORTATION	0.0				0.0
RENT, COMM., UTIL.	2.0				2.0
PRINT/REPROD.	2.4				2.4
CONTRACTS	0.0				0.0
SUPPLIES/MATERIAL	4.1				4.1
EQUIPMENT	5.0				5.0
GRANTS	0.0				0.0
TOTALS	307.1				307.1
FTE (FTP)	5.0				5.0
FTE (OTFTP)	0.0				0.0

VESSELS # SEA DAYS ALLOC.	
NOAA	CHARTER
# FREE DAYS	

CROSS REFERENCES	
301	330
318	
319	
320	

APPROVAL SIGNATURE

Robert Barrett

HQ CONTACT

4/7/92

CURRENT YEAR OPERATING PLAN

EXECUTIVE SUMMARY

FMC	REF. NO.	PAGE
SWR	304	2 OF 5

TITLE	PRIN. FAC.	FTE	\$K	UNIT LEADER	LINE ITEM NAME
Fisheries & Envir. Invest.	La Jolla	5.0	307.1	R.M. Laurs	Resource Information

A. PROBLEM STATEMENT/OBJECTIVE: This is a comprehensive, multidisciplinary task to investigate and model linkages between recruitment processes in selected California Current fish species and key oceanographic processes. The goal of the research is to provide a more effective scientific basis for the management of commercial and recreational fish stocks through an improved understanding of the effects of variation in the physical environment upon year class strength.

B. METHODOLOGY/APPROACH: The ecosystem approach is followed in these studies to understand fish-ocean relationships needed for the effective management of selected California Current fish stocks. The research program is based on the analysis of filed measurements, historical analysis and modeling. Physical process studies address the transport of early life stages by variable currents. Biological process studies will address the role of ocean circulation on stock structure and growth, and community dynamics. Modeling activities explore and synthesize the mechanistic relations between variability in physical oceanographic processes and early life stages of fishes. Research is focused on selected West coast groundfishes. In addition to utilizing traditional biological and physical oceanographic approaches, extensive use is made of recent technological developments for monitoring the ocean environment. The task plays a leading role in expanding the application of satellite remote-sensing to the understanding of fish recruitment.

C. PRODUCT/SERVICES: Scientific articles published in marine science literature; written and oral reports to the Pacific Fishery Management Council on the occurrence of unusual environmental events along the West coast and the implications to fishery resources.

D. CLIENTS: Knowledge gained by this research will influence judgements in Pacific Fishery Management Councils and Statistical Committee in negotiations with other nations involved in West coast fisheries.

E. CONTRACTS: None

CURRENT YEAR OPERATING PLAN

FMC	REF. NO.	PAGE
SWR	304	3 OF 5

PERSONNEL SCHEDULE

#	NAME	TITLE	PAY PLAN/GRADE/STEP	% TIME	TASK #
FTE					
1.	R. Michael Laurs	Supv. Oceanographer (R)	GM 14/00	100%	8L1A4BEO
2.	Ronald J. Lynn	Oceanographer	GM 13/00	100%	8L1A4BEO
3.	Robert Nishimoto	Fishery Biologist (R)	GS 11/07	100%	8L1A4BEO
4.	Kenneth A. Bliss	Oceanographer	GS 11/08	100%	8L1A4BEO
5.	Ronald C. Dotson	Fishery Biologist (R)	GS 11/04	100%	8L1A4BEO

CURRENT YEAR OPERATING PLAN

FMC	REF. NO.	PAGE
SWR	304	4 of 5

MILESTONE ARRAY

TASK #	MAE	SEQ	SIGNIFICANT MILESTONE DESCRIPTIONS	FY 92 93 94							
				1	2	3	4	1	2	1	2
8L1A4BEO	M	1	Organize and conduct workshops for planning, coordinating and implementing multi-agency and university cooperative studies for FORAGE program. Prepare documents as required.	O	-	J					
"	M	2	Conduct a two-ship groundfish survey in coordination with SIO detailing vertical egg and larval distributions in relation to water transport and water mass properties in order to identify environmental processes important to recruitment.	A							
"	A	3	Analyze and interpret physical oceanographic results from groundfish oceanography and pre-FORAGE cruises.	O	-	-	-	-	-	-	S
"	A	4	Maintain oceanographic equipment and computer systems for logging, processing and analyzing oceanographic data.	O	-	-	-	-	-	-	S
"	A	5	Participate in CalCOFI as required.	O	-	-	-	-	-	-	S
"	A	6	Continue collaborative CalCOFI research studies with SIO.	O	-	-	-	-	-	-	S
"	M	7	Install communications and new satellite image processing hardware and software when received from NOAA.	M							
"	A	8	Provide satellite data support for SWFSC research as requested.	O	-	-	-	-	-	-	S
"	M	9	Enhance satellite image processing hardware and software system in order to provide sea-going operations with high resolution real-time satellite imagery.	M							
"	A	10	Serve on agency committees as requested by Director	O	-	-	-	-	-	-	S
"	A	11	Monitor for El Niño conditions.	O	-	-	-	-	-	-	

CURRENT YEAR OPERATING PLAN

FMC	REF. NO.	PAGE
SWR	304	5 OF 5

MILESTONE ARRAY

TASK #	MAE	SEQ	SIGNIFICANT MILESTONE DESCRIPTIONS	FY 92 93 94							
				1	2	3	4	1	2	1	2
8L1A4BEO	M	12	Organize and conduct workshop dealing with El Niño impacts on West Coast fisheries.		M						
"	A	13	Act as focal point for CoastWatch activities for Center	O	-	-	-	-	-	-	A
"	A	14	Conduct research on the impacts of El Niño on selected West Coast fisheries.	O	-	-	A				
"	A	15	Continue development of albacore migration model using tagging and fishery data for ms.	O	-	-	A				
"	M	16	Prepare one manuscript on albacore oceanography.				A				
"	M	17	Prepare manuscript on South Pacific albacore oceanography.				A				

RESOURCE SUMMARY

NMFS CURRENT YEAR OPERATING PLAN FY 1992

DATE 12-11-91

FMC REF. NO. PAGE

SWR 318 1 OF 6

TITLE ->		Ecology & Systematics of Fishes			
TASK NUMBERS ->		TASK #1	TASK #2	TASK #3	TASK #4
OBJECT CLASS		8L1A3AGO			
DIRECT LABOR		200.6			
PERS. BENEFITS		38.3			
TRAVEL		3.0			
TRANSPORTATION		0.0			
RENT, COMM., UTIL.		2.0			
PRINT/REPROD.		0.0			
CONTRACTS		0.0			
SUPPLIES/MATERIAL		6.5			
EQUIPMENT		5.0			
GRANTS		0.0			
TOTALS		255.4			
FTE (FTP)		5.0			
FTE (OTFTP)		0.0			

STRATEGIC PLAN	
GOAL #:	1 OBJ #: 1-3
	2 1-2
	3 1,3

TOTAL	
	200.6
	38.3
	3.0
	0.0
	2.0
	0.0
	0.0
	6.5
	5.0
	0.0
	255.4
	5.0
	0.0

VESSELS	
#	SEA DAYS ALLOC.
NOAA	CHARTER
#	FREE DAYS

CROSS REFERENCES	
301	330
304	
319	
320	

APPROVAL SIGNATURE

HQ CONTACT

EXECUTIVE SUMMARY

SWR

318

2 OF 6

TITLE	PRIN. FAC.	FTE	\$K	UNIT LEADER	LINE ITEM NAME
Ecol. & System. of Fishes	La Jolla	5.0	255.4	H.G. MOSER	Resource Information

A. PROBLEM STATEMENT/OBJECTIVE: The primary goal is to produce data and analyses that lead to a comprehensive understanding of the fish stocks of the California Current region in relation to their environment. Plankton surveys provide information on distribution abundance, reproduction, spawning stock biomass, mortality, and recruitment of fish stocks along with associated oceanographic factors. A major goal is to determine how fluctuations in abundance and distribution of fish stocks are related to oceanographic flux and predator-prey interactions over short-term (seasonal/interannual) and long-term (decadal/climate) time scales.

B. METHODOLOGY/APPROACH: Samples of fish eggs and larvae from historical and current plankton survey and trawl cruises are utilized to produce data for this task. Approximately 300 taxa of fishes are represented in these samples. Processing involves the identification, enumeration, measurement, staging, and computer entry. Resultant data is subjected to time series and community analyses leading to the formulation of ecosystem models. New methodologies are developed to measure biomass of fish stocks using ichthyoplankton techniques. An example is the egg production biomass estimation method developed for coastal pelagic species and selected groundfishes (e.g. Dover sole, sablefish).

C. PRODUCT/SERVICES: (1) Data reports on the distribution and abundance of ichthyoplankton from California and Baja California from 1939 to the present, (2) Time series summaries showing seasonal and interannual changes in abundance and distribution of major species, (3) Ecological analyses that elucidate species interaction and environmental effects on abundance, (4) Scientific publications that present new methodologies for biomass estimation and results of research cruises that employ these methods, (5) Scientific publications on the early life history of fishes that range from papers on individual species and identification guides to comprehensive treatises, and (6) Training courses on ichthyoplankton and techniques.

D. CLIENTS: Scientists in world-wide public and private institutions use our data, reports, and formal publications in their research on commercial, recreational, and ecologically important fish stocks and in formulating ecosystem models. Managers and councils use our information for establishing optimal harvest quotas and conserving territorial fish stocks. The fishing industry uses our information for determining areas of abundance of target species. Private consulting firms and conservation agencies use information for producing their reports. The task has a long-standing commitment to training professional biologists and the public.

E. CONTRACTS: None

PERSONNEL SCHEDULE

#	NAME	TITLE	PAY PLAN/GRADE/STEP	% TIME	TASK #
FTE					
1.	H. Geoffrey Moser	Supervisory Fishery Biologist (R)	GM 14/00	100%	8L1A3AGO
2.	David Ambrose	Fishery Biologist (R)	GS 11/04	100%	8L1A3AGO
3.	William Watson	Fishery Biologist (R)	GS 11/03	100%	8L1A3AGO
4.	Elaine Acuna	Biological Lab Tech.	GS 09/08	100%	8L1A3AGO
5.	Sharon Charter	Fishery Biologist (R)	GS 09/02	100%	8L1A3AGO

CURRENT YEAR OPERATING PLAN

FMC	REF. NO.	PAGE
SWR	318	4 OF 6

MILESTONE ARRAY

TASK #	MAE	SEQ	SIGNIFICANT MILESTONE DESCRIPTIONS	FY 92				93				94			
				1	2	3	4	1	2	3	4	1	2	3	4
8L1A3AGO	A	1	Groundfish assessment & recruitment: Identify and analyze samples of eggs, larvae and pelagic juveniles of Dover sole, other groundfish and associated species from 1991 groundfish research cruise (9104JD). Prepare scientific papers describing the horizontal and vertical distribution of the eggs, larvae, and pelagic juveniles of key taxa in relation to environmental features measured on 9104JD (Moser and collaborators).	0	-	-	-	-	-	-	-	-	-	-	-
"	A	2	Reassess the egg production biomass method developed for Dover sole in relation to new temperature-specific information on horizontal and vertical distribution of Dover sole eggs and plan future biomass assessment cruises based on the new data (with CFRD groundfish team).	0	-	-	A								
"	A	3	Plan and participate in research cruises scheduled for FY 92, including: 1) Trawl calibration cruise, 2) MOCNESS flow calibration cruise, 3) Mesoscale groundfish recruitment cruises, 4) CalCOFI survey cruises (with CFRD groundfish team)	0	-	-	A								
"	A	4	Identify and analyze the eggs, larvae, and pelagic juveniles of groundfish and other fishes from the mesoscale recruitment cruise 9107NH and prepare scientific manuscripts on the results (with Laurs and CFRD groundfish team).	0	-	-	-	-	-	-	-	-	-	-	-
"	A	5	Complete manuscript on life history strategies and benthic settling of groundfish target species based on historical CalCOFI data and on data from CFRD groundfish cruises conducted during 1987-1992 (Moser with collaborators).	0	-	-	A								
"	A	6	Ecological analysis of CalCOFI ichthyoplankton: Complete paper with Paul Smith on patterns of abundance of fish larvae from CalCOFI surveys during 1954-1960.	0	-	-	A								

	CURRENT YEAR	OPERATING PLAN
1. Sales	100	100
2. Variable costs	60	60
3. Contribution margin	40	40
4. Fixed costs	30	30
5. Operating income	10	10

FMC	REF. NO.	PAGE
SWR	318	5 OF 6

MILESTONE ARRAY

MILESTONE ARRAY			SIGNIFICANT MILESTONE DESCRIPTIONS											
TASK #	MAE	SEQ												
8L1A3AGO	A	7	Continue collaboration with Paul Smith on seasonal and inter-annual variations in abundance of fish larvae in the CalCOFI time series from 1951 to the present.											
"	M	8	AFS symposium on "Fish Larva Assemblages & Oceanic Boundaries": Moser and Smith complete manuscript on "Larval Fish Assemblages in the California Current and associated water masses" and submit for publication in symposium book.											
"	M	9	Moser and Smith co-edit the papers for the symposium book to be published in the Los Angeles County Museum of Natural History Science Series.											
"	E	10	Identification Guide - CalCOFI Ichthyoplankton: Publish synopsis of distribution of CalCOFI ichthyoplankton (with Tasks 319 and 320).											
"	A	11	Complete illustrations for the guide.											
"	A	12	Continue preparation of the descriptive part of the guide and assemble guide for review.											
"	A	13	Stage eggs for sardine and anchovy biomass estimates: CDF&G sardine biomass cruise and anchovy eggs from CalCOFI survey cruises.											
"	A	14	Identification and analysis of ichthyoplankton from CalCOFI and adjacent regions: Continue identification of the 1985 CalCOFI survey.											
"	A	15	Continue preparation of report on surface (neuston) samples taken on 1978 CalCOFI survey (with Task 319).											

CURRENT YEAR OPERATING PLAN
FY 1992

DATE 11-10-91

FMC	REF. NO.	PAGE
SWR	319	1 OF 5

TITLE	->	Coastal & Pac. Fish. Res. Invest.			
TASK NUMBERS ->		TASK #1	TASK #2	TASK #3	TASK #4
OBJECT CLASS		TASK #1	TASK #2	TASK #3	TASK #4
		8L1A6AHO			
DIRECT LABOR		296.6			
PERS. BENEFITS		41.9			
TRAVEL		3.0			
TRANSPORTATION		3.0			
RENT, COMM., UTIL.		1.0			
PRINT/REPROD.		1.0			
CONTRACTS		19.3			
SUPPLIES/MATERIAL		9.6			
EQUIPMENT		3.2			
GRANTS		0.0			
TOTALS		378.6			
FTE (FTP)		5.0			
FTE (OTFTP)		2.6			

STRATEGIC PLAN		
GOAL #:	1	OBJ #: 1-3
	2	1-2
	3	1-3

VESSELS	
# SEA DAYS ALLOC.	
124	
NOAA	CHARTER
124	0
# FREE DAYS	
32 SIO	

CROSS REFERENCES	
301	330
304	
318	
320	

Edore Sanett 4/7/92

APPROVAL SIGNATURE

HQ CONTACT

EXECUTIVE SUMMARY

2 OF 5

319

SWR

TITLE

PRIN. FAC.

FTE

\$K

UNIT LEADER

LINE ITEM NAME

Coastal & Pac. Fish. Invest.

La Jolla

7.6

378.6

R.L. Charter

Resource Information

A. PROBLEM STATEMENT/OBJECTIVE: This task provides the basic information required for the annual assessment of stocks supporting California coastal fisheries. This task provides the logistics in FY92 for four California Cooperative Oceanic Fisheries Investigations (CalCOFI), and one groundfish cruise.

B. METHODOLOGY/APPROACH: We will complete five ichthyoplankton survey cruises collecting over 1250 plankton samples. All of the data from these cruises and samples will be processed by the personnel of this task and cooperating people from the University of California's Scripps Institution of Oceanography. These data will be added to the CalCOFI historical time series. We will also be updating and improving the CalCOFI historical data bases (1951-1990). The Aerial Marine Monitoring System (AMRMS) data bases will also be updated as we get new data.

C. PRODUCTS/SERVICES: The major products of this task are the CalCOFI data bases, the AMRMS data base, and the newly acquired groundfish information. Major services include logistics for all Coastal Division cruises, data base management, and assistance in data analysis.

D. CLIENTS: The main clients will be the Pacific Fishery Management Council, Scripps Institution of Oceanography and other NMFS fishery centers.

E. CONTRACTS: Aerial Spotter Contracts (\$17.1K) is set for data collection for the Aerial Marine Resource Monitoring System.

PERSONNEL SCHEDULE

#	NAME	TITLE	PAY PLAN/GRADE/STEP	% TIME	TASK #
FTE					
1.	Richard Charter	Supv. Computer Programmer Analyst	GM 13/0	100	8L1A6AHO
2.	Cindy Meyer	Computer Programmer	GS 11/5	100	8L1A6AHO
3.	Dave Griffith	Fishery Biologist (R)	GS 11/1	100	8L1A6AHO
4.	Dimitry Abramenkoff	Fishery Biologist (R)	GS 09/5	100	8L1A6AHO
5.	Susan Manion	Fishery Biologist	GS 09/1	100	8L1A6AHO
FTT					
6.	Lucy Dunn	Biological Technician	GS 05/1	67	8L1A6AHO
7.	Frances Pocinich	Biological Technician	GS 05/1	67	8L1A6AHO
8.	Jeanne Haddox	Biological Technician	GS 05/1	67	8L1A6AHO
9.	Amy Hays	Biological Aid	GS 04/1	60	8L1A6AHO

SWR		319	5 OF 5											
MILESTONE ARRAY														
TASK #	MAE	SEQ	SIGNIFICANT MILESTONE DESCRIPTIONS				FY 92				93	94		
8L1A6AHO	A	12	Provide consultation to CFRD staff for all matters pertaining to purchase and maintenance of computer hardware & software.				1	2	3	4	1	2	1	2
"	A	13	Provide expert advice to Center administration data management, shipboard computing, word processing, A-76, and IT-95.				-	-	-	-	-	-	-	-
"	A	14	Update the other fish larvae files (85-present) with data as data becomes available.				-	-	-	-	-	-	-	-
"	A	15	Develop and implement the use of high speed rope trawl.				0	-	-	J				
"	E	16	In cooperation with Dr. Moser's task, produce a species distribution summary from the CalCOFI data base.				0	-	-	A				
"	A	17	Assist in planning and conducting National Undersea Research Program (NURP) and cooperative MBARI ROV calibration cruises.				-	-	-	-	-	-	-	-
"	A	18	Assist in planning and conducting pre-FORAGE cruises.				D	-	-	J				

RESOURCE SUMMARY

NMFS
CURRENT YEAR OPERATING PLAN
FY 1992

DATE

10-91

FMC REF. NO. PAGE

SWR 320 1 OF 5

TITLE	->	Survey Systems Develop. & Evaluation			
TASK NUMBERS ->		TASK #1	TASK #2	TASK #3	TASK #4
OBJECT CLASS		8L1A6AJ0			
DIRECT LABOR		263.0			
PERS. BENEFITS		50.2			
TRAVEL		5.2			
TRANSPORTATION		0.5			
RENT, COMM., UTIL.		1.5			
PRINT/REPROD.		0.0			
CONTRACTS		1.5			
SUPPLIES/MATERIAL		5.3			
EQUIPMENT		3.3			
GRANTS		0.0			
TOTALS		330.5			
FTE (FTP)		4.0			
FTE (OTFTP)		2.0			

TOTAL

263.0

50.2

5.2

0.5

1.5

0.0

1.5

5.3

3.3

0.0

330.5

4.0

2.0

STRATEGIC PLAN

GOAL #: 1 OBJ #: 1-3
2 1-2
3 1,3

VESSELS
SEA DAYS ALLOC.

NOAA

CHARTER

FREE DAYS

CROSS REFERENCES

301 330
304
318
319

Exploire Bancett

4/7/92

APPROVAL SIGNATURE

HQ CONTACT

CURRENT YEAR OPERATING PLAN

PAGE

REF. NO.

FMC

SWR

320

2 OF 5

EXECUTIVE SUMMARY

TITLE	PRIN. FAC.	FTE	\$K	UNIT LEADER	LINE ITEM NAME
Survey Systems Dev. & Eval.	La Jolla	6.0	330.5	P.E. Smith	Resource Information

A. PROBLEM STATEMENT/OBJECTIVE: There are increasing demands for quantitative information on the status of fish stocks for fishery development, management and allocation of stocks. There is historical information on the spawning activity of commercial stocks of fish and their associates and SWC-320 maintains files of data from 1939 to the present regarding status of the fish, their spawning grounds and physical oceanographic measurements. Our primary objective is to provide quantitative species and environmental data to aid in development and management of the fisheries.

B. METHODOLOGY/APPROACH: With other specialists, we design and carry out field surveys to gather accurate, precise, inclusive, and representative data on fish population size and spawning area using data on abundance, production, survival, and dispersal of fish eggs and larvae. Consideration is given to the past surveys to maintain continuity with historical data so that time-series may be assembled for the evaluation of changes in the population. We also specify new and archive old data on ocean climatology in the California Current Ecosystem.

C. PRODUCT/SERVICES: Our main products and services are scientific papers on the basic biology of and changes in resource populations and the environment and documented sets of data for other scientists or data summaries for fishery managers.

D. CLIENTS: Our major clients are regional fishery managers, NMFS and California Department of Fish and Game, other scientists at the University of California, and global interests in the understanding of resource population changes.

E. CONTRACTS: None

PERSONNEL SCHEDULE

3 OF 5

320

SWR

#	NAME	TITLE	PAY PLAN/GRADE/STEP	% TIME	TASK #
FTE					
1.	Paul E. Smith	Fishery Biologist (R)	GM	100%	8L1A6AJ0
2.	Laurence E. Eber	Oceanographer	GS	100%	8L1A6AJ0
3.	Nancy C.H. Lo	Math. Statistician	GS	100%	8L1A6AJ0
4.	John L. Butler	Fishery Biologist (R)	GS	100%	8L1A6AJ0
	OTHER				
5.	Michelle Goddard	Oper. Res. Analyst	GS	63%	8L1A6AJ0
6.	Kathy Dahlin	Biological Technician	GS	63%	8L1A6AJ0
7.	Shawn Hughey	Computer Clerk	GS	38%	8L1A6AJ0

SIGNIFICANT MILESTONE DESCRIPTIONS

MILESTONE ARRAY			SIGNIFICANT MILESTONE DESCRIPTIONS												FY 92		93		94			
TASK #	MAE	SEQ													1	2	3	4	1	2	1	2
8L1A6AJ0	M	1	Simulation using all existing data on Dover sole seasonal cycle to specify an adequate characterization of fecundity reduction and design cruise to test.												O	-	J					
"	A	2	Develop sector plan for biomass estimation of sablefish population.												N	M						
"	M	3	Develop mix of methods for remotely operated submersibles, trawls, and spawn sampling for estimation of upper continental slope groundfish complex.												O	-	-	A				
"	E	4	Devise methods for sampling jack mackerel juveniles and early adults (Turbo Rope Trawl).												D	J						
"	A	5	Contribute historical and geographic information for pelagic fish management plan development.												O	-	-	A				
"	A	6	Collaborate on the use of ADCP, satellite and CalCOFI historical and concurrent information to predict habitat changes for pelagic schooling fishes.												O	J						
"	E	7	Prepare manuscript on the recovery of the northern stock of Pacific sardine.												O	F						
"	A	8	Prepare documents about pelagic fishes for MEXUS-PACIFICO.												J	M						
"	A	9	Complete evaluation of aerial survey indices for inclusion in pelagic fish management plan.												O	M						
"	A	10	Prepare material for GLOBEC and SCALES on the Lefkovitch matrix approach to sardine, anchovy, and hake ecology.												O	-	J					

MILESTONE ARRAY																				
TASK #	MAE	SEQ	SIGNIFICANT MILESTONE DESCRIPTIONS										FY 92		93	94				
8L1A6AJ0	M	11	Complete paper with Geoff Moser on patterns of abundance of fish larvae.										1	2	3	4	1	2	1	2
"	M	12	AFS Symposium on "Fish Larva Assemblages and Oceanic Boundaries." Complete paper with Geoff Moser and assist in editing other papers.										D							
"	E	13	Complete ms. on Lefkovitch matrix (stage - rather than age-classified model of Leslie matrix) to examine the sensitivity of the vital rates of growth, mortality, and fecundity on two elements: 1) capacity to estimate important changes, and 2) apparent interannual variability in vital rates.										O	F						

CURRENT YEAR OPERATING PLAN

FY 1992

FMC	REF. NO.	PAGE
SWR	330	1 OF 4

STRATEGIC PLAN
GOAL #: 1 OBI #: 1-3
2 OBI #: 1-4
7 OBI #: 2

TITLE	->	Comm. & Rec. Fish. Research for Mgmt.
TASK NUMBERS ->	8L1C2ASO	8L1C2AS2
OBJECT CLASS	TASK #1 Fish/Mgmt	TASK #2 Socio/Econ
DIRECT LABOR	193.4	36.0
PERS. BENEFITS	36.9	6.9
TRAVEL	8.0	7.0
TRANSPORTATION	0.0	1.1
RENT, COMM., UTIL.	2.5	10.0
PRINT/REPROD.	1.5	5.0
CONTRACTS	0.0	0.0
SUPPLIES/MATERIAL	5.0	7.0
EQUIPMENT	4.0	8.0
GRANTS	0.0	0.0
TOTALS	251.3	81.0
FTE (FTP)	4.0	0
FTE (OTFTP)	0.5	2.0

TOTAL
229.4
43.8
15.0
1.1
3.5
6.5
0.0
12.0
12.0
0.0
332.3
4.0
2.5

VESELS
SEA DAYS ALLOC.
NOAA
CHARTER
FREE DAYS

CROSS REFERENCES
301 320
304
318
319

APPROVAL SIGNATURE *Spore Sane* 4/7/92 HQ CONTACT

EXECUTIVE SUMMARY

TITLE	PRIN. FAC.	FTE	\$K	UNIT LEADER	LINE ITEM NAME
Comm. & Recr. Fish. Mgmnt.	La Jolla	6.5	332.3	L.D. Jacobson	Inform. Analysis Diss.
A. PROBLEM STATEMENT/OBJECTIVE: Biological and economic information is needed for fishery management. Specific products required include FMP's, amendments to FMP's, other management information documents, fish stock assessments, methodological improvements in stock assessments, economic information on status of commercial fisheries, evaluations of alternative management strategies, and economic evaluations of marine recreational fisheries. Ongoing planning and management of the joint SWC/SWR socio-economic fund is also needed. B. METHODOLOGY/APPROACH: Task biologists utilize historical data bases (CalCOFI, CDF&G sea survey, and special SWFSC survey and port samples) in conjunction with quantitative analytical models to estimate stock sizes, investigate the population dynamics and sustainable yields, and to evaluate alternative biological aspects of management strategies. Task economists use data on prices, catches, fishing fleet characteristics, fishing costs, and recreational fishing surveys to assess fishing fleet productivity, evaluate alternative management regulations, and assess economic characteristics of marine recreational fishing. Efforts are made to integrate biological and economic analyses. Program personnel also (1) Plan and participate directly in some seagoing data collection efforts (e.g. surveys of west coast groundfish) and (2) Plan and monitor economics data collection (e.g. fishing vessel cost and earnings data, and recreational fisheries surveys). C. PRODUCT/SERVICES: Abundance estimates for northern anchovy, and other species such as Pacific mackerel as required. Improved stock assessment techniques. Annual fishery status report for coastal pelagics, and major contributions to reports for other fisheries. Economic data and analyses of recreational marine fishing; improved techniques for economic valuation and productivity measurement; and regulatory impact assessments for tuna regulations. These products are developed as peer reviewed scientific papers whenever possible. D. CLIENTS: Information and reports generated in this program are used by (1) the Pacific Fishery Management Council, (2) State/federal cooperative management efforts, (3) U.S. government agents in tuna fisheries currently or prospectively under international management, (4) U.S. representatives in international fisheries investigations (e.g. Mexus-Pacifico), and (5) Other public groups concerned with nearshore ocean management. E. CONTRACTS: (1) Economic Model of Sacramento River Salmon Fishery; (2) Survey of Cost-earnings Data for West Coast Groundfish Trawl vessels.					

PERSONNEL SCHEDULE

SWR

330

3 OF 4

#	NAME	TITLE	PAY PLAN/GRADE/STEP	% TIME	TASK #
1.	Larry Jacobson	Supv. Fishery Biologist	GM 13/00	100%	8L1C2ASO
2.	Dale Squires	Industry Economist	GM 13/00	100%	8L1C2ASO
3.	Samuel Herrick	Industry Economist	GS 12/09	100%	8L1C2ASO
4.	Cynthia Thomson	Industry Economist	GS 12/03	100%	8L1C2ASO
	Other				
5.	Judy Ester	Computer Clerk	GS 04/01	50%	8L1C2ASO
6.	Thanh Huyen Vu	Computer Clerk	GS 04/01	50%	8L1C2AS2
7.	John Lanfersieck	Student Economist	GS 07/01	50%	8L1C2AS2
8.	Jeffery Lee	Student Economist	GS 05/01	50%	8L1C2AS2
8.	Unknown	Industry Economist	GS 14/01	25%	8L1C2AS2
9.	Unknown	(Summer Faculty) Industry Economist (Summer Faculty)	GS 14/01	25%	8L1C2AS2

MILESTONE ARRAY

TASK #	MAE	SEQ	SIGNIFICANT MILESTONE DESCRIPTIONS	FY 92				93				94			
				1	2	3	4	1	2	3	4	1	2	3	4
8L1C2ASO	A	1	FMP for coastal pelagics.	0	-	-	-	-	-	-	-	-	-	-	-
"	A	2	Collect data from survey of U.S. anglers in Mexican waters.	0	-	-	A								
"	E	3	Provide preliminary anchovy biomass estimate to SWR by July 1, 1992.	0	-	-	J								
"	M	4	Complete documentation of final anchovy biomass estimate by August 1, 1992.	0	-	-	A								
"	M	5	Write/augment annual report on status of wetfish fishery by July 1, 1992.	0	-	-	J								
"	A	6	Administer SWR socioeconomic fund and update annual report.	0	-	-	-	-	-	-	-	-	-	-	-
"	A	7	Provide information on trends and economic events in tuna fishery to industry members and other elements of NOAA, as required.	0	-	-	-	-	-	-	-	-	-	-	-
"	M	8	Prepare paper on current status of sardine stock with Tom Barnes, Patty Wolf, and Alec MacCall.	0	-	-	A								
"	E	9	Complete positive quadratic programming model for West Coast groundfish.	0	-	-	A								
"	E	10	Simulate market for individual transferable quotas in sablefish.	0	-	-	A								

FMC	REF. NO.	PAGE
SWC	401	1 OF 5

TITLE		-> Tuna&Lg. Pel. Stock Investigations			
TASK NUMBERS ->	8L1C5AB2	8L1C5AB1	TASK #2	TASK #3	TASK #4
OBJECT CLASS	TASK #1				
DIRECT LABOR	171.3	59.5			
PERS. BENEFITS	32.7	11.4			
TRAVEL	5.0	0.7			
TRANSPORTATION	0.7	0			
RENT, COMM., UTIL.	1.5	0			
PRINT/REPROD.	2.0	0			
CONTRACTS	60.0	0			
SUPPLIES/MATERIAL	9.0	2.0			
EQUIPMENT	0	0			
GRANTS	0	0			
TOTALS	282.2	73.6			
FTE (FTP)	4.0	1.0			
FTE (OTFTP)					

STRATEGIC PLAN

GOAL # OBJ #

VESSELS
SEA DAYS ALLOC.

NOAA CHARTER FREE

CROSS REFERENCES

HQ CONTACT

APPROVAL SIGNATURE

TITLE - Tuna &	PRIN. FAC.	FTE	\$K	UNIT LEADER	LINE ITEM NAME
Large Pelagics Stock Inves.	La Jolla	5.0	355.8	N. Bartoo	Info. Analysis & Dissemination

A. PROBLEM STATEMENT/OBJECTIVE: This task investigates and provides advice and information on stocks of large pelagics found in both the Oceanic ecosystem and the California Current ecosystem. Investigations and work plans are formulated to meet requirements specified by NMFS resource managers, international fisheries agreements (IATTC, ICCAT, IOFC, ITPP, S. Pacific Tuna Treaty) and regional fisheries management councils (Pacific and Western Pacific). The data and advice are used in management negotiations and discussions regarding access, exploitation, rebuilding, and protection of the resources, and for management of the fisheries.

B. METHODOLOGY/APPROACH: This task collects data and biological information developed from experiments and fishery sampling and integrates similar data generated by related tasks. The adequacy and accuracy of data and information are assessed, and appropriate fisheries and ecological models are employed or developed to produce required assessments and advice.

C. PRODUCT/SERVICES: Products are scientific reports and publications providing assessments and ecological information and data on stocks and fisheries as required. Products are distributed in the form of internal reports, newsletters, SWFC Administrative Reports, NOAA Technical Memorandums, and various technical publications

D. CLIENTS: Principal clients include NMFS managers, U.S. Government commissioners to international organizations, SSC of regional councils, industry leaders, and SWFSC scientists.

E. CONTRACTS: Pacific Marine Fisheries Commission; \$60.0 - port sampling of U.S. albacore data.

PERSONNEL SCHEDULE

SWC

401

3 OF 5

#	NAME	TITLE	PAY PLAN/GRADE/STEP	% TIME	TASK #
N. Bartoo		Supervisory Fishery Biologist (Research)	GM14	100	8L1C5AB2
D. Au		Fishery Biologist (Research)	GS13/7	100	8L1C5AB2
D. Holts		Fishery Biologist (Research)	GS11/7	100	8L1C5AB2
D. Ramon		Fishery Biologist	GS5/3	100	8L1C5AB2
J. Squire		Fishery Biologist (Research)	GS13/10	100	8L1C5AB1

MILESTONE ARRAY

TASK #	MAE	SEQ	SIGNIFICANT MILESTONE DESCRIPTIONS	FY 92 93 94							
				1	2	3	4	1	2	1	2
8L1C5AB2	A	1	Produce and publish chapters for blue book and national/regional SOS reports.	X	X	X	X	X	X	X	X
8L1C5AB2	M	2	Produce albacore forecast		X			X			X
8L1C5AB2	A	3	Document passive gear CPUE behavior and purse seine multi-species catch.	X	X	X	X				
8L1C5AB2	A	4	Participate in cooperative albacore studies; FAO consultation		X						
8L1C5AB2	A	5	Evaluate impact of driftnets on albacore stock.	X	X	X	X				
8L1C5AB2	E	6	Coordinate and host albacore constituents meeting.		X						
8L1C5AB2	A	7	Complete shark data summaries; monitor fishery.	X	X	X	X	X	X	X	X
8L1C5AB2	A	8	Begin length frequency analysis of central-western Pacific yellowfin				X				
8L1C5AB2	A	9	Conduct joint Mexico/NMFS striped marlin tracking.		X						
8L1C5AB2	A	10	Conduct north and south Pacific albacore maturity/spawning timing study.	X	X	X	X				
8L1C5AB2	A	11	Organize and conduct central-western Pacific yellowfin longline/surface maturity comparison.				X				

TITLE	->	MultispeciesDataCollection and Evaluation			
TASK NUMBERS ->	8L1C1AW1	8L1C1VW2	TASK #3	TASK #4	
OBJECT CLASS	TASK #1	TASK #2	TASK #3	TASK #4	TOTAL
DIRECT LABOR	153.2	129.7			282.9
PERS. BENEFITS	29.3	24.8			54.1
TRAVEL	4.0	0.0			4.0
TRANSPORTATION	0.0	0.0			0.0
RENT, COMM., UTIL.	1.0	1.0			2.0
PRINT/REPROD.	4.0	0.5			4.5
CONTRACTS/COMPTR.	11.0	9.0			20.0
SUPPLIES/MATERIAL	0.0	0.0			0.0
EQUIPMENT	0.0	0.0			0.0
GRANTS	0.0	0.0			0.0
TOTALS	202.5	165.0			367.5
FTE (FTP)	4.0	4.0			8.0
FTE (OTFTP)	1.0				1.0

STRATEGIC PLAN

GOAL # OBJ #

VESSELS
SEA DAYS ALLOC.

NOAA CHARTER FREE

CROSS REFERENCES

APPROVAL SIGNATURE

HQ CONTACT

TITLE	PRIN. FAC.	FTE	\$K	UNIT LEADER	LINE ITEM NAME
MultispeciesDataColl.&Eval.	La Jolla	8.0	367.5	A. Coan	Info. Analysis & Dissemination

A. PROBLEM STATEMENT/OBJECTIVE: Monitoring ecosystems and forecasting changes in marine resources require collection of data pertinent to the resource and environment, as well as maintaining the data in easily accessible databases for review, analysis and dissemination of these data. The objective of this task is to collect required data from various published sources, from established data exchange agreements, and from actual field sampling programs. This task is also responsible for using state-of-the-art automated data systems for archiving and processing the data. Data collection and bases being maintained include South Pacific tuna purse seine data and marine mammal observer data.

B. METHODOLOGY/APPROACH: This task routinely handles tuna-dolphin observer data, coastal gillnet observer data, tuna fisheries data, and other data collected from field experiments, expeditions, and port sampling. Various sources including publications, international contacts, data exchange agreements, etc. are used. This task also uses statistical methodologies to develop and maintain field sampling programs for the collection of information on fisheries for large pelagics, and for collection of information on marine mammals. Up-to-date computer technologies are used to develop and maintain data base systems and to provide software for supporting analyses of oceanic and California Current ecosystems, and resource forecasting for large pelagic stocks and marine mammals.

C. PRODUCT/SERVICES: Principal products of this task are software, data bases and data collection systems in support of research. This task provides annual summaries and analyses of data by fisheries for use in stock assessments and fisheries evaluations.

D. CLIENTS: Products and services produced by this task are made available for use by other SWFSC tasks for various foreign and domestic fisheries management organizations, NOAA fishery administrators, industry and constituency groups and fishery managers. Data are also used by constituency groups involved in fishery development, and marine mammal and large pelagics issues

E. CONTRACTS: Key Punch - Various private companies
Microfilming - Various private companies

PERSONNEL SCHEDULE

SWC

411

3 OF 5

#	NAME	TITLE	PAY PLAN/GRADE/STEP	% TIME	TASK #
A. Coan		Supervisory Math. Stat.	GM/13	100	8L1C1AW1
C. Perrin		Computer Programmer Anal	GS11/6	100	8L1C1VW2
G. Rensink		Fishery Biologist Tech.	GS7/2	100	8L1C1AW1
A. Jackson		Fishery Biologist Res.	GS9/6	100	8L1C1AW1
D. Prescott		Computer Programmer	GS9/2	100	8L1C1AW1
K. Wallace		Computer Programmer Anal	GS11/8	100	8L1C1VW2
R. Rasmussen		Fishery Biologist Tech.	GS8/8	100	8L1C1VW2
J. Tran		Computer Programmer	GS7/2	100	8L1C1VW2
D. DaRodda		Computer Programmer	GS7/1	100	8L1C1AW1

FMC	REF. NO.	PAGE
SWC	421	1 OF 4

TITLE	->	Oceanic Fisheries Evaluation			
TASK NUMBERS ->	8L1C2A30	TASK #1	TASK #2	TASK #3	TASK #4
OBJECT CLASS					
DIRECT LABOR	105.9				TOTAL
PERS. BENEFITS	20.2				105.9
TRAVEL	13.5				20.2
TRANSPORTATION	0				13.5
RENT, COMM., UTIL.	4.5				0
PRINT/REPROD.	1.0				4.5
CONTRACTS	0				1.0
SUPPLIES/MATERIAL	0.5				0
EQUIPMENT	2.2				0.5
GRANTS	0.2				2.2
TOTALS	148.0				0.2
FTE (FTP)	2.0				148.0
FTE (OTFTP)					2.0

APPROVAL SIGNATURE

HQ CONTACT

STRATEGIC PLAN

GOAL # OBJ #

VESSELS
SEA DAYS ALLOC.

NOAA CHARTER FREE

CROSS REFERENCES

TITLE	PRIN. FAC.	FTE	\$K	UNIT LEADER	LINE ITEM NAME
Oceanic Fisheries Evaluation	La Jolla	2.0	148.0	G. Sakagawa	

A. PROBLEM STATEMENT/OBJECTIVE: This task monitors tuna fisheries production, developments, and trade on a global scale for analyses of stock condition and fishery evaluation. Liaison with foreign scientists is also an ongoing activity of this task as a means for securing fishery and scientific data on internationally exploited stocks and for coordinating SWFSC scientists involvement in international research projects.

B. METHODOLOGY/APPROACH: Informal and formal agreements for exchange of fishery data and for cooperative scientific investigations are used. These agreements form a network that involves both international and domestic collaborators. The network is used by SWFSC to secure data and for maintaining collaborative research which contributes to the objective of monitoring and assessing stock condition of tuna and billfish stocks of interest to the U.S.

C. PRODUCT/SERVICES: Results of this task are prepared for publication in scientific journals, internal reports and newsletters, and for oral presentations to NMFS managers, U.S. Commissions, etc. This task also serves as a public source for current data and information on the tuna fisheries and condition of the tuna stocks. The most visible product of this task is the quarterly newsletter, Tuna Newsletter, which is available to collaborators and the public.

D. CLIENTS: The clients vary, depending on the information. The task results, however, receive wide distribution, both domestically and foreign, to tuna industry personnel, scientists, government officials, fishery managers and agency administrators.

E. CONTRACTS: None

PERSONNEL SCHEDULE

3 OF 4

SWC

421

#	NAME	TITLE	PAY PLAN/GRADE/STEP	% TIME	TASK #
Gary Sakagawa		Fishery Biologist (Research Administration)	GM15	100	8L1C2A30
Karen Handschuh		Secretary	GS6/7	100	8L1C2A30

MILESTONE ARRAY

[illegible]

SWC

431

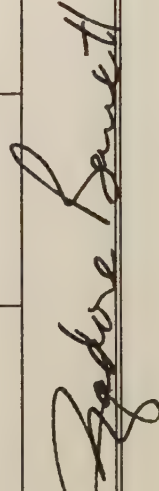
1 OF 4

TITLE		->		Pelagic Ecosystem Modelling							
TASK NUMBERS ->		8L1C2A20		TASK #1		TASK #2		TASK #3		TASK #4	
OBJECT CLASS											
DIRECT LABOR		94.6								TOTAL	
PERS. BENEFITS		18.1								94.6	
TRAVEL		2.5								18.1	
TRANSPORTATION		0								2.5	
RENT, COMM., UTIL.		0.6								0	
PRINT/REPROD.		1.0								0.6	
CONTRACTS		0								1.0	
SUPPLIES/MATERIAL		0.2								0	
EQUIPMENT		0								0.2	
GRANTS		0								0	
TOTALS		117.0								117.0	
FTE (FTP)		2.0								2.0	
FTE (OTFTP)											

STRATEGIC PLAN		
GOAL #	OBJ #	
VESSELS		
# SEA DAYS ALLOC.		
NOAA	CHARTER	FREE
CROSS REFERENCES		

HQ CONTACT

APPROVAL SIGNATURE



TITLE	PRIN. FAC.	FTE	\$K	UNIT LEADER	LINE ITEM NAME
Pelagic Ecosystem Modelling	La Jolla	2.0	117.0	Pierre Kleiber	Info.Anal&Dissemination

A. PROBLEM STATEMENT/OBJECTIVE: This task evaluates current stock assessment models and techniques for accuracy and relevancy of information for management advice of pelagic fisheries. It also assists in designing and conducting stock assessments and in planning and evaluating sampling projects.

B. METHODOLOGY/APPROACH: The principal method is to use simulation models. The models are used to pinpoint areas where lack of ecological understanding might lead to deficiencies in proper resource evaluation and management advice. They are also used to simulate conditions when accurate data on such conditions are lacking or when "what if" scenarios need to be explored for evaluating interpretive and management options. The results are then used to guide the evaluation of assessment results, the collection of additional or more reliable data, and the preparation of management advice.

C. PRODUCT/SERVICES: The products are scientific publications, internal reports, and oral presentations which are disseminated to parties, including NMFS scientists and managers, U.S. commissioners and Fishery Management Council members. Services include consultation with officials and scientists to review results and to guide followup activities.

D. CLIENTS: The clients are mostly U.S. fishery management professionals involved in execution of the FMCA, MMPA, and tuna treaties as well as resource scientists in various domestic, foreign and international institutions and agencies.

PERSONNEL SCHEDULE

3 OF 4

431

SWC

#	NAME	TITLE	PAY PLAN/GRADE/STEP	% TIME	TASK #
P. Kleiber C. Salvado	Fishery Biol. (Res.) Operations Res. Anal.	GM13 GS12	100 100	8L1C2A20 8L1C2A20	

FMC	REF. NO.	PAGE
SWR	510	1 OF 4

STRATEGIC PLAN GOAL #: 4 OBJ #: 3

TITLE	->	Dolphin Assessment Program				
TASK NAMES	->	Fish. Ind. Assessment	Mar. Mamm. Admin.	Survey Operations	Aerial Safety	
OBJECT CLASS		TASK #1	TASK #2	TASK #3	TASK #4	TOTALS
DIRECT LABOR		8L1C4VA1 50.5	8L1C4VA2 87.4	8L1A6VW0 99.9	BL1A9900 * 10.8	248.6
PERS. BENEFITS		9.7	16.8	11.5	1.9	39.9
TRAVEL		3.5	10.5	13.2	2.8	30.0
TRANSPORTATION		0	0	0	0	0
RENT, COMM., UTIL.		0	8.0	0	0	8.0
PRINT/REPROD.		0	3.0	0	0	3.0
CONTRACTS		0	0	0	0	0
SUPPLIES/MATERIAL		3.0	10.6	13.4	3.9	30.9
EQUIPMENT		0	4.0	0	0	4.0
OVERHEAD		0	0	0	2.7	2.7
TOTALS		66.7	140.3	138.0	22.1	367.1
FTE (FTP)		1.0	2.0	0	0	3.0
FTE (OTFTP)		0	0.8	2.6	0.5	3.9

VESSELS # SEA DAYS ALLOC.	
NOAA	CHARTER
240	
# FREE DAYS	

CROSS REFERENCES	
520	
530	
540	
550	

APPROVAL SIGNATURE *Sabore Bennett* 4/7/92 *** REIMBURSABLE TASK** HQ CONTACT

EXECUTIVE SUMMARY

SWR 510 2 OF 4

TITLE	PRIN. FAC.	FTE	\$K	UNIT LEADER	LINE ITEM NAME
Dolphin Assessment Program	SWC-La Jolla	3.0	367.1	D. DeMaster	Res. Info, Info, Anal. & Diss.

A. PROBLEM STATEMENT/OBJECTIVE: This task is one of eight closely linked tasks involving research on dolphins associated with the Eastern tropical Pacific (ETP) tuna fishery. It provides information on biological impacts of management practices by NMFS as mandated by the Marine Mammal Protection Act (MMPA). Recent Congressional action reauthorizing the MMPA, specified a monitoring program to determine trends in dolphin populations over a long sampling period of 5 years or more. This task is responsible for producing the experimental design to be the monitoring program and a series of annual surveys using NOAA research vessels and an aircraft. It specifies data to be collected and, after they have been collected, analyzes these data to determine the trends in dolphin abundance, and to evaluate possible causes for the trends.

B. METHODOLOGY/APPROACH: The main focus of the task in FY92 is to conduct research ship surveys of ETP dolphins, participate in data collection, complete data analyses and present findings. This will include completing analyses of data collected during 1986, 1987, 1988, 1989 and 1990, completing computer programs for data analyses, and establishing procedures for reviewing results before release to the general public. In addition, the task will compare two methods of monitoring population change by comparing data from tuna vessels with data from research vessels.

C. PRODUCT/SERVICES: Products of the program are used by NMFS offices charged with drafting management measures for U.S. tuna fishery in the ETP.

D. CLIENTS: At least 5 years of data are required to detect a significant decline in the population with 90% confidence using data analyzed by this task. The information generated is used by NMFS to evaluate management options for protection of the ETP dolphin stocks as prescribed by the MMPA and for management of the annual U.S. fishery for tuna in the ETP. Up-to-date information on the condition of the dolphin populations is key requirement for evaluating and selection of an option.

E. CONTRACTS:

PERSONNEL SCHEDULE

3 OF 4

DU

SWK

#	NAME	TITLE	PAY PLAN/GRADE/STEP	% TIME	TASK #
	DeMaster, Douglas Gerrodette, Timothy Gilmore, Julie P.	Wildlife Biologist Operations Research Analyst Secretary	GM/15 GM/13 GS/6/1	100 100 100	8L1C4VA2 8L1C4VA1 8L1C4VA2

CURRENT YEAR OPERATING PLAN
FY 1992

FMC	REF. NO.	PAGE
SWR	520	1 OF 4

STRATEGIC PLAN
GOAL #: 4 OBJ #: 2

TITLE ->		Biological Assessment Program				TOTALS
TASK NAMES ->		Biological Assessment	Photo-grammetry	Marine Mam Genetics		
OBJECT CLASS		TASK #1	TASK #2	TASK #3	TASK #4	
		8L1A5VU1	8L1A5VR4	8L2B1PCB		
DIRECT LABOR		223.1	118.8	35.6		377.5
PERS. BENEFITS		42.7	21.7	6.8		71.2
TRAVEL		3.0	7.1	0		10.1
TRANSPORTATION		0	2.6	0		2.6
RENT, COMM., UTIL.		0	0	0		0
PRINT/REPROD.		0	0	0		0
CONTRACTS		0	53.0	0		53.0
SUPPLIES/MATERIAL		13.0	13.0	33.3		59.3
EQUIPMENT		0	3.5	3.5		7.0
OVERHEAD		0	0	10.8		10.8
TOTALS		281.8	219.7	90.0		591.5
FTE (FTP)		6.0	3.0	0		9.0
FTE (OTFTP)		0	1.0	1.56		2.56

VESSELS	
# SEA DAYS ALLOC.	
NOAA	CHARTER
# FREE DAYS	

CROSS REFERENCES
510
530
550

APPROVAL SIGNATURE *Spadone Bennett* 4/7/92 HQ CONTACT

TITLE	PRIN. FAC.	FTE	\$K	UNIT LEADER	LINE ITEM NAME
Biological Assessment Prg.	SWC-La Jolla	9.00	591.5	Andrew Dizon	Resource Information

A. PROBLEM STATEMENT/OBJECTIVE: The primary objective of this program is to use trends in various life history parameters to determine if these stocks are increasing or not. The work is focused primarily on ETP dolphins. This program is also responsible for photographing dolphin schools during the research vessel cruise and for determining the stock structure of dolphins in the ETP and coast of California.

B. METHODOLOGY/APPROACH: Specifically, this year we are studying how sex ratios and other reproductive and physiological parameters respond to various levels of fishing pressure, population size, or forage density in the eastern tropical Pacific populations. As in years past, we will process, curate, and archive dolphin life history data and specimens. Our estimates of reproductive rates and other vital rates; of indexes that reflect fishing pressure, density, or condition; and of stock structures are based primarily on specimens and data collected by NMFS and IATTC technicians aboard commercial seiners.

C. PRODUCT/SERVICES: The products are used, in connection with information on population size and density, to meet the mandated requirements of the Marine Mammal Protection Act concerning the gathering of information for determination of "significantly impacted" and "impacted by whom or what" as well as the providing information on trends in relative abundance of stocks that interact with fisheries to the Secretary.

D. CLIENTS: Products are used by other tasks in the Division as well as other groups in NMFS and in the industry charged or involved with management measures for ETP U.S. tuna fishery.

E. CONTRACTS: OAO (helicopter operations) - \$45.0k

PERSONNEL SCHEDULE

# NAME	TITLE	PAY PLAN/GRADE/STEP	% TIME	TASK #
Dizon, Andrew	Fishery Biologist	GS/13	100	8L1A5VU1
Myrick, A.	Wildlife Biologist	GS/13/7	100	8L1A5VU1
Majors, T.	Fishery Biologist	GS/9/9	100	8L1A5VU1
Chivers, S.	Fishery Biologist	GS/9/2	100	8L1A5VU1
Gilpatrick, J.	Fishery Biologist	GS/9/1	100	8L1A5VR4
Akin, P.	Fishery Biologist	GS/7/8	100	8L1A5VU1
Lynn, M.	Fishery Biologist	GS/7/1	100	8L1A5VR4
Perryman, W.	Fishery Biologist	GS/12/2	100	8L1A5VR4
Peltier, K.	Fishery Biologist	GS/5/2	100	8L1A5VU1

STRATEGIC PLAN

GOAL #: 4 OBJ #: 2

VESSELS	
# SEA DAYS ALLOC.	
NOAA	CHARTER
# FREE DAYS	

CROSS REFERENCES

510
520
540

TITLE		Dolphin Ecology Program		GOAL #	
TASK NAMES	TASK #1	TASK #2	TASK #3	TASK #4	TOTALS
OBJECT CLASS	8L1A6AW1				
DIRECT LABOR	179.5				179.5
PERS. BENEFITS	32.9				32.9
TRAVEL	10.0				10.0
TRANSPORTATION	0				0
RENT, COMM., UTIL.	0				0
PRINT/REPROD.	0				0
CONTRACTS	8.0				8.0
SUPPLIES/MATERIAL	14.0				14.0
EQUIPMENT	0				0
GRANTS	0				0
TOTALS	244.4				244.4
FTE (FTP)	3.0				3.0
FTE (OTFTP)	1.75				1.75
APPROVAL SIGNATURE					HE CONTACT

TITLE	PRIN. FAC.	FTE	\$K	UNIT LEADER	LINE ITEM NAME
Dolphin Ecology Program	SWC-La Jolla	3.0	244.4	Steve Reilly	Resource Information

A. PROBLEM STATEMENT/OBJECTIVE: In addition to the research vessel surveys, the SWC will be evaluating dolphin encounter rate data collected by observers aboard tuna vessels, for use as an index to changes in the relative abundance of ETP dolphins. The basic approach of the program is to define and identify various attributes of the fishery, describe the environmental features that affect dolphin distribution, and examine various subsampling and stratification schemes. In FY92 the primary emphasis of the program will be to summarize the influence of environmental variability on the distribution of dolphins and to modify the analysis of RVOD for trends in dolphin abundance based on environmental data.

B. METHODOLOGY/APPROACH: Environmental data from CTDs, BTs, flow-thorough temperature/salinity, fluorescence sensors, satellite imagery, and other sources as available will be used to describe the environment each year and the relative abundance index will be normalized to "average" conditions. In addition, environmental data will be used to standardize encounter rate data collected by observers on tuna vessels.

C. PRODUCT/SERVICES: The data and results will be used in combination with data from the Biology Program and from research vessels surveys (MOPS) to determine whether the relative number of dolphins in the ETP is increasing or decreasing, and if decreasing, to determine if the observed decline is at least in part related to the U.S. tuna fleet.

D. CLIENTS: Data will be used by SWC personnel to determine trends in the relative abundance of dolphin stocks in the ETP. Final reports will be submitted to the SWR office and will be used in developing a management program for ETP dolphins.

E. CONTRACTS: AOML (Oceanography) - 8.0k

PERSONNEL SCHEDULE

# NAME	TITLE	PAY PLAN/GRADE/STEP	% TIME	TASK #
Reilly, S. Fiedler, P. Philbrick, V.	Fishery Biologist Oceanographer Oceanographer	GM/14/2 GS/12/2 GS/7/2	100 100 100	8L1A6AW1 8L1A6AW1 8L1A6AW1

[illegible][illegible]

NY 1994

SWR	540	1 OF 4
-----	-----	--------

STRATEGIC PLAN
GOAL #: 4 OBJ #: 1, 2

TITLE ->		Coastal Marine Mammal Program				
TASK NAMES ->		CMMAP	MMEP	MMAP		
OBJECT CLASS		TASK #1	TASK #2	TASK #3	TASK #4	
		8L1A5VR1	8L2B1PAA	8L2B1PCH		
DIRECT LABOR		124.6	48.8	43.3		216.7
PERS. BENEFITS		23.0	9.3	4.1		36.4
TRAVEL		16.2	2.5	6.0		24.7
TRANSPORTATION		5.0	0	0		5.0
RENT, COMM., UTIL.		0	0	0		0
PRINT/REPROD.		0	0	0		0
CONTRACTS		6.5	0	236.3		242.8
SUPPLIES/MATERIAL		8.0	5.4	6.4		19.8
EQUIPMENT		0	0	3.0		3.0
OVERHEAD		0	9.0	37.4		46.4
TOTALS		183.3	75.0	336.5		594.8
FTE (FTP)		3.0	0	0		3.0
FTE (OTFTP)		0	2.5	1.0		3.5
APPROVAL SIGNATURE		<i>Eudora Bennett</i>			4/7/92	HQ CONTACT

VESELS
SEA DAYS ALLOC.
NOAA
CHARTER
FREE DAYS

CROSS REFERENCES
510

* TASK 3 = CYOP 956 + CYOP 960 (8L1A5MAF) % TASK 2 ALSO KNOWN AS CYOP 972

EXECUTIVE SUMMARY

SWR

540

2 OF 4

TITLE	PRIN. FAC.	FTE	\$K	UNIT LEADER	LINE ITEM NAME
Coastal Marine Mammal Prg.	SWC-LA Jolla	3.0	594.8	Jay Barlow	Resource Information

A. PROBLEM STATEMENT/OBJECTIVE: This task investigates changes in coastal marine mammal populations associated with human activities (e.g. research, commercial fisheries, etc.). The task provides information so that the status of stocks of certain species can be determined, allowing NMFS to fulfill requirements under the Marine Mammal Protection Act.

B. METHODOLOGIES/APPROACH: During FY92 this task is to census California sea lion and elephant seal rookeries, investigate pup production and food habits, update status of stock reports for California harbor porpoise, sea lions, elephant seals, and harbor seals, and conduct studies on movement patterns and exchange rates in harbor seal populations to assess stock discreteness. Also, initiate studies on humpback whales in California, Mexico and vaquita in Mexico.

C. PRODUCT/SERVICES: The information produced by this task will primarily be used by NMFS management personnel to 1) develop actions to protect stocks of California marine mammals from unnecessary fishery mortality; 2) determine allowable take for display purposes; and 3) evaluate the effects of incidental take of marine mammals by coastal fisheries on the health of overall ecosystems.

D. CLIENTS: Products provided by this task are used by NMFS offices charged with drafting measures to control the take of coastal marine mammals.

E. CONTRACTS: 1) Private \$ 4.0k - Flight time for surveys of Channel Islands
2) Private \$ 2.5k - Film processing
3) Private \$12.0k - Flight time for coastal cetaceans
4) OAO (govt) \$135.0k - Flight time for cetaceans
5) Private \$89.3k - Photo-ID Contract

PERSONNEL SCHEDULE

#	NAME	TITLE	PAY PLAN/GRADE/STEP	% TIME	TASK #
Barlow, Jay Lowry, Mark Forney, Karin	Sup. Ops. Research Ana. Fishery Biologist Operations Research Ana.	GM/13 GS/11/2 GS/9/2	100 100 100	8L1A5VR1 8L1A5VR1 8L1A5VR1	

MILESTONE ARRAY

MILESTONE ARRAY			SIGNIFICANT MILESTONE DESCRIPTIONS											
TASK #	MAE	SEQ	SIGNIFICANT MILESTONE DESCRIPTIONS											
8L1A5V51	A	2	Census and assist in the censusing of sea lion and elephant seal pups in California											
8L1A5VR1	M	3	Update status of stock reports on coastal marine mammals for workshop											
8L2B1PAA	A	4	Curate and manage life history material from coastal gill net fishery											
8L2B1PAA	A	5	Advise SWR and F/PR on mortality rates in coastal gill net fishery											
8L2B1PAA	M	6	Prepare report on gill net mortality for assessment workshop											
8L2B1PCH	E	7	Survey Costal Cetacean population in spring											
8L2B1PCH	E	8	Contract report on size of humpback whale population in central California											

11 1976

11 1976

11 1976

SWR	550	1 OF 4
-----	-----	--------

STRATEGIC PLAN
GOAL #: OBJ #:

TITLE	->	Fishery-Dependent Analysis Program
TASK NAMES	->	Fish. Dep. Assess. Prg.
OBJECT CLASS	TASK #1	Dolphin Safe
	8L1A6AW2	8L1ADT00 *
DIRECT LABOR	91.5	102.3
PERS. BENEFITS	17.4	15.8
TRAVEL	1.0	20.0
TRANSPORTATION	0	0
RENT, COMM., UTIL.	0	0
PRINT/REPROD.	0	0
CONTRACTS	0	387.0
SUPPLIES/MATERIAL	3.0	7.1
EQUIPMENT	0	75.0
GRANTS	0	82.8
TOTALS	112.9	690.0
FTE (FTP)	2.0	0
FTE (OTFTP)	0	4.0
APPROVAL SIGNATURE		
	4/7/72	HQ CONTACT

VESSELS	
# SEA DAYS ALLOC.	
NOAA	CHARTER
# FREE DAYS	

CROSS REFERENCES	
510	
520	
530	

* also known as cyp 560

TITLE	PRIN. FAC.	FTE	\$K	UNIT LEADER	LINE ITEM NAME
Fishery-Dependent Anal. Prg.	SWC-La Jolla	1.0	802.9	E. Edwards	Resource Information

A. PROBLEM STATEMENT: This task investigates patterns in dolphin mortality from the U.S. and non-U.S. fleets. The task provides the SWR with information on the best way to carry out comparability tests, identify good/bad skippers, and conduct power analyses of trend and mortality studies.

B. METHODOLOGIES/APPROACH: During FY92 this task will evaluate options for applying comparability tests between the U.S. and non-U.S. fleet, given the small size of the U.S. fleet. Additional, a review of skipper performance (U.S. fleet) will be completed. Finally, a power analysis on TVOD trend data will be completed. Also, the Dolphin-Safe research program will be developed, reviewed and implemented in FY92.

C. PRODUCT/SERVICES: The information produced by this task is primarily used by NMFS to manage tuna/porpoise in the ETP and to respond to the Congressional mandate to monitor trends in abundance of porpoise stocks and to reduce mortality of ETP dolphins.

D. CLIENTS: Products are provided to the SWR, F/PR, State Department and IATTC.

C. CONTRACTS: None.

PERSONNEL SCHEDULE

#	NAME	TITLE	PAY PLAN/GRADE/STEP	% TIME	TASK #
	Elizabeth Edwards	Fishery Biologist	GM/13/2	100	8L1A6AW2

TITLE		Antarctic Ecosystem Research Group				
TASK NAMES	->	Ecosystem	Krill Asse	Fish Pop	Operations	
OBJECT CLASS	->	TASK #1	TASK #2	TASK #3	TASK #4	
		8L1A6H01	8L1A6H02	8L1A6H03	8L1A6H04	
DIRECT LABOR		95.3	70.1	56.5	5.5	
PERS. BENEFITS		17.7	13.5	10.8	0.0	
TRAVEL		63.0	6.0	4.5	72.0	
TRANSPORTATION		8.0	0.0	0.0	10.0	
RENT, COMM., UTIL.		1.0	0.0	0.0	1.0	
PRINT/REPROD.		0.0	0.0	0.0	1.0	
CONTRACTS		530.0	0.0	0.0	0.0	
SUPPLIES/MATERIAL		2.0	3.0	2.0	14.0	
EQUIPMENT		5.8	13.4	14.0	3.0	
GRANTS		0.0	0.0	0.0	240.0	
TOTALS		722.8	106.0	87.8	346.5	
FTE (FTP)		2.0	1.0	1.0	0.0	
FTE (OTFTP)		0.0	0.4	1.0	0.0	
TOTAL						
227.4						
42.0						
145.5						
18.0						
2.0						
1.0						
530.0						
21.0						
36.2						
240.0						
1263.1						
4.0						
1.4						

STRATEGIC PLAN			
GOAL # 2	OBJ # 2		
VESSELS			
# SEA DAYS ALLOC.			
NOAA	CHARTER	FREE	
122		0	
CROSS REFERENCES			

HQ CONTACT

4/7/92

Eglore Barnett

APPROVAL SIGNATURE

TITLE	PRIN. FAC.	FTE	\$K	UNIT LEADER	LINE ITEM NAME
Antarctic Eco. Res. Group	La Jolla, CA	4.0	1263.1	R. Holt	Resource Management

A. PROBLEM STATEMENT/OBJECTIVE:

The U.S. Antarctic Marine Living Resources (AMLR) program provides information needed to formulate U.S. policy on conservation and international management of resources living in the oceans surrounding Antarctica. The program was established by Public Law 98-623 to provide advice to the U.S. delegation to the Convention for the Conservation of Antarctic Marine Living Resources (CCAMLR), part of the Antarctic treaty system. The AMLR program is managed by the Antarctic Ecosystem Research Group located at the Southwest Fisheries Science Center.

B. METHODOLOGY/APPROACH:

The AMLR program will be divided into four tasks: (1) Ecosystem Monitoring will coordinate and review field research on krill predators, conduct AMLR Interagency Review Panel and pre-CCAMLR meetings, coordinate scientific presentations and participation at CCAMLR meetings, and update the Program Development Plan. (2) Krill Stock Assessment will conduct acoustic surveys of krill, prepare working papers and manuscripts, and participate in CCAMLR Krill Working Group Meeting. (3) Fish Population Dynamics will review data and papers on the status of fish stocks submitted to CCAMLR, and participate in CCAMLR Fish Stock Assessment meeting. (4) Field Operations will design, coordinate and conduct activities undertaken during the field season in accordance with the long-range Antarctic research strategy.

C. PRODUCT/SERVICES:

Reports and technical papers are prepared to meet U.S. obligations to the Convention for the Conservation of Antarctic Marine Living Resources (CCAMLR). Scientific papers are prepared for publication. AERG staff and invited consultants will participate in CCAMLR working groups and other international meetings to address conservation issues and assess relevant scientific information.

D. CLIENTS:

Information provided by the tasks will be used by the State Department to formulate U.S. positions on Antarctic resource conservation, by the U.S. AMLR program to adjust its long-range research strategy, by the CCAMLR Scientific Committee, and by other governments and researchers working in the Antarctic.

E. COOPERATIVE AGREEMENTS, INTERAGENCY TRANSFERS, AND CONTRACTS:
Phytoplankton studies, physical oceanography studies, krill demographic studies, zooplankton studies, and krill predator studies.

PERSONNEL SCHEDULE

#	NAME	TITLE	PAY PLAN/GRADE/STEP	% TIME	TASK #
1.	Rennie S. Holt	Fishery Biologist	GM/15	100	8L1A6H01
2.	Jane E. Rosenberg	Biological Technician	GS/7	100	8L1A6H01
3.	Roger P. Hewitt	Fishery Biologist	GM/14	100	8L1A6H02
4.	David A. Demer	Ocean Acoustics Eng.	GS/7 (Temporary)	44	8L1A6H02
5.	Stephanie N. Sexton	Operations Res. Analyst	GS/11	100	8L1A6H03
6.	George Watters	Fishery Biologist	GS/7 (Temporary)	100	8L1A6H03

MILESTONE ARRAY

MILESTONE ARRAY			SIGNIFICANT MILESTONE DESCRIPTIONS											
TASK #	MAE	SEQ	FY 92 93 94											
			1	2	3	4	1	2	1	2				
8L1A6H01	A	1	X	X	X	X	X	X	X	X				
8L1A6H01	A	2	X	X	X	X	X	X	X	X				
8L1A6H01	M	3	X					X						
8L1A6H01	M	4			X									
8L1A6H01	E	5		X				X				X		
8L1A6H01	E	6			X						X		X	
8L1A6H01	M	7	X	X	X	X	X	X	X	X			X	
8L1A6H01	E	8	X	X										
8L1A6H01	A	9	X	X	X									
8L1A6H01	A	10	X	X	X	X	X	X	X	X		X	X	
8L1A6H01	A	11			X									

MILESTONE ARRAY

MILESTONE ARRAY			SIGNIFICANT MILESTONE DESCRIPTIONS													
TASK #	MAE	SEQ	FY 92								93		94			
			1	2	3	4	1	2	1	2						
8L1A6H02	A	12	Conduct 1991/92 field work and analyze data.										X			
8L1A6H02	M	13	Write overview, logistics, and krill distribution sections of field season report.										X			
8L1A6H02	M	14	Edit and assemble field season report.										X			
8L1A6H02	A	15	Contribute to collaborative papers on results of 1991/92 field season.										X	X	X	X
8L1A6H02	M	16	Prepare survey design for 1992/93 field work.												X	X
8L1A6H02	A	17	Prepare working papers for CCAMLR meetings.										X	X		
8L1A6H02	E	18	Participate in CCAMLR krill management meetings.												X	X
8L1A6H02	A	19	Enhance capabilities of SWFSC acoustic system.										X	X	X	X
8L1A6H02	A	20	Conduct resource surveys for other SWFSC components on a time-available basis.											X	X	X

MILESTONE ARRAY

[illegible]

MILESTONE ARRAY

MILESTONE ARRAY			FY 92												FY 93		FY 94	
TASK #	MAE	SEQ	SIGNIFICANT MILESTONE DESCRIPTIONS															
8L1A6H04	A	27	Design cruise in accordance with long range AMLR research strategy.															
8L1A6H04	M	28	Prepare and distribute cruise announcement and call for proposals.															
8L1A6H04	A	29	Evaluate research proposals and negotiate contracts and/or cooperative agreements.															
8L1A6H04	A	30	Monitor and coordinate coop. agree. for studies on physical ocean., primary production, krill demographics, zooplankton dist.															
8L1A6H04	M	31	Prepare and distribute draft and final cruise plans.															
8L1A6H04	A	32	Manage cruise logistics and convene pre-cruise and post-cruise meetings.															
8L1A6H04	A	33	Coordinate and conduct field research.															
8L1A6H04	M	34	Prepare and distribute cruise report.															
8L1A6H04	A	35	Investigate research vessel charters; prepare specifications and recommendation.															

EXECUTIVE SUMMARY

SWR

700

2 OF 4

TITLE	PRIN. FAC.	FTE	\$K	UNIT LEADER	LINE ITEM NAME
D.O. OFFICE & ADMIN.	HON. LAB.	7.2	428.7	G. BOEHLERT	MANAGEMENT FUND

A. PROBLEM STATEMENT/OBJECTIVE: TO PROVIDE OVERALL MANAGEMENT AND ADMINISTRATION OF BOTH HUMAN AND FISCAL RESOURCES FOR THE HONOLULU LABORATORY.

B. METHODOLOGY/APPROACH: PROVIDE GUIDANCE FOR OVERALL OPERATIONS AND SCIENTIFIC PROGRAM OF HONOLULU LABORATORY. MAINTAIN AND IMPROVE INTERNAL CONTROLS AND STREAMLINE OPERATING PROCEDURES.

C. PRODUCT/SERVICES: PROVIDE EFFICIENT DAY-TO-DAY ADMINISTRATION OF THE HONOLULU LABORATORY IN AREAS OF PROCUREMENT, PERSONNEL AND FACILITY MAINTENANCE; FLOW OF INFORMATION/PRODUCTS TO OUTSIDE AGENCIES AND THE PUBLIC.

D. CLIENTS: SOUTHWEST REGION, WESTERN PACIFIC REGIONAL FISHERIES MANAGEMENT COUNCIL, FISHING INDUSTRY, GENERAL PUBLIC.

E. CONTRACTS: CONTRACTING OF JANITORIAL IS REQUIRED FOR THE HEALTH AND SAFETY OF STAFF.

PERSONNEL SCHEDULE

SWR

700

3 OF 4

#	NAME	TITLE	PAY PLAN/GRADE/STEP	% TIME	TASK #
FTP:					
1.	BOEHLERT, GEORGE W.	FISHERY BIOLOGIST RESEARCH	GM-15	85	9WGN40H1
2.	YUKIHIRO, CAROL	SECRETARY	GS-7/10	100	9WGN40H1
3.	YEE, KARENA S.H.	ADM. OFFICER	GS-11/4	100	9WGN40H2
4.	DONG, BONNIE Y.	BUDGET ASSISTANT	GS-6/7	100	9WGN40H2
5.	NAKAGAWA, JO-ANNE L.	BUDGET ASSISTANT	GS-7/5	2	9WGN40H2
6.	KUROMOTO, JANINE	ADM. SUPPORT CLERK	GS-5/1	100	9WGN40H2
7.	WONG, GLORIA	ADM. SUPPORT ASST.	GS-5/1	100	9WGN40H2
8.	HAMMOND, LEWIS	MAINTENANCE WORKER	WG-6/1	100	9WGN40H2
TEMPORARY:					
1.	TBN	SECRETARY	GS-4/1	25	9WGN40H2

TITLE		Data Management & Technical Services			
TASK NUMBERS ->	->	8L1C1AJ1	8L1C1AJ2	8L1C1AJ4	TOTAL
		TASK #1	TASK #2	TASK #3	
OBJECT CLASS		ADP-HNL	SciSer-HNL	Lib-HNL	
DIRECT LABOR		145.6	123.0	33.0	301.6
PERS. BENEFITS		22.8	19.3	5.2	47.3
TRAVEL		0.0	0.0	0.0	0.0
TRANSPORTATION		0.0	0.0	0.0	0.0
RENT, COMM., UTIL.		11.0	0.0	0.0	11.0
PRINT/REPROD.		0.0	1.0	0.0	1.0
CONTRACTS		0.0	6.5	1.0	7.5
SUPPLIES/MATERIAL		6.8	2.8	19.1	28.7
EQUIPMENT		5.0	0.0	0.0	5.0
GRANTS		0.0	0.0	0.0	0.0
TOTALS		191.2	152.6	58.3	402.1
FTE (FTP)		2.0	4.0	1.0	7.0
FTE (OTFTP)		1.5	0.4	0.0	1.9

STRATEGIC PLAN

GOAL # OBJ #

All

VESSELS
SEA DAYS ALLOC.

0

NOAA

CHARTER

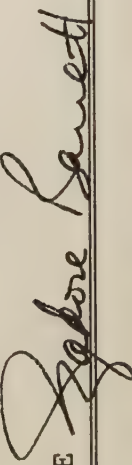
FREE

0

CROSS REFERENCES

APPROVAL SIGNATURE

HQ CONTACT


 1/1/92

EXECUTIVE SUMMARY

SWR

701

2 OF 5

TITLE	PRIN. FAC.	FTE	\$K	UNIT LEADER	LINE ITEM NAME
INFO. & TECHNICAL SERVICES	HON. LAB.	8.9	402.1	D. TIEMAN	RESOURCE INFORMATION

- A. PROBLEM STATEMENT/OBJECTIVES: ITS INSTALLS HARDWARE AND SOFTWARE, AND PROVIDES FOR HARDWARE MAINTENANCE, AND SECURITY, OF NETWORKED RESOURCES; PROVIDES SYSTEM PROGRAMMING, CONSULTATION ON ADP COORDINATION AND CONSOLIDATION OF ADP PURCHASES; PROVIDES SCIENTIFIC MANUSCRIPT REVIEWS, TEXT PREPARATION SERVICES, SCIENTIFIC ILLUSTRATIONS, AND GRAPHICS SERVICES IN SUPPORT OF THE SCIENTIFIC MISSION OF THE HONOLULU LABORATORY.
- B. METHODOLOGY/APPROACH: MAINTENANCE OF THE LOCAL AREA NETWORK (LAN) AND EXPANSION OF THE TELECOMMUNICATION CAPABILITIES WITH NON-3COM SITES, IN PARTICULAR WITH THE UNIVERSITY OF HAWAII; PROVIDE USER TRAINING FOR HARDWARE AND SOFTWARE SERVICES AVAILABLE TO LAB PERSONNEL, AND OTHER FACILITY-WIDE COMPUTER NEEDS. DEVELOPMENT AND MAINTENANCE OF AN ON-LINE LIBRARY SYSTEM; PROCUREMENT OF CURRENT SCIENTIFIC AND COMPUTER PUBLICATIONS; TYPING, FILING, PROOF READING, AND DEVELOPMENT OF GRAPHICS FOR SCIENTIFIC PUBLICATIONS.
- C. PRODUCT/SERVICES: PRODUCTS ARE PROVIDED IN THE FORM OF TYPED MANUSCRIPTS, CORRESPONDENCE, CURRENT SCIENTIFIC AND COMPUTER REFERENCE MATERIALS, NETWORK ACCESS, HARD COPY AND COMPUTER DATA, INFORMATION, HARDWARE MAINTENANCE, AND COMPUTER SUPPLIES. CONSULTATION AND TRAINING SERVICES ARE PROVIDED IN RELATED FIELDS. INFORMATION ON LABORATORY PROGRAMS ARE DISSIMILATED TO THE PUBLIC.
- D. CLIENTS: ALL MEMBERS OF THE HONOLULU LAB ARE RECIPIENTS OF PRODUCTS, SUPPLIES, AND SERVICES PROVIDED BY THE INFORMATION AND TECHNICAL SERVICES TASK. LIBRARY SERVICES ARE ALSO PROVIDED TO THE ACADEMIC COMMUNITY, SOUTH PACIFIC ISLAND NATIONS, OTHER STATE AND FEDERAL AGENCIES, AND THE GENERAL PUBLIC.
- E. CONTRACTS: CONTRACTS FOR COMPUTER SUPPORT FROM THE UNIVERSITY OF HAWAII, EQUIPMENT MAINTENANCE, BOOK BINDINGS, AND TRANSLATIONS WILL CONTINUE TO BE REQUIRED.

PERSONNEL SCHEDULE

SWR

701

3 OF 5

#	NAME	TITLE	PAY PLAN/GRADE/STEP	% TIME	TASK #
FTP:					
1.	TIEMAN, DONALD R.	SUPERVISORY COMP.SYS. ANALYST	GS-12/4	100	8L1C1AJ1
2.	HIGUCHI, WAYDE S.	COMPUTER PROGRAMMER	GS-9/3	100	8L1C1AJ1
PTP:					
1.	PAPPAS, JANET L.	COMPUTER PROGRAMMER	GS-9/3	80	8L1C1AJ1
2.	UYEDA, RICHARD I.	COMPUTER PROGRAMMER	GS-6/1	100	8L1C1AJ1
3.	MIYAMOTO, BRENT	COMPUTER PROGRAMMER	GS-7/1	30	8L1C1AJ1
FTP:					
1.	WILLIAMS, LESLIE C.	TECH. PUB. WRITER/EDITOR	GS-11/2	100	8L1C1AJ2
2.	BEASLEY, JUDITH L.	EDITORIAL ASSISTANT	GS-6/2	100	8L1C1AJ2
3.	YAMAGUCHI, DEBORAH. H.	EDITORIAL CLERK	GS-5/1	100	8L1C1AJ2
4.	AKAMINE, JOYCE J.	EDITORIAL CLERK	GS-5/4	100	8L1C1AJ2
PTP:					
1.	LOTENSCHTEIN, S.	EDITORIAL CLERK	GS-5/1	38	8L1C1AJ2
FTP:					
1.	ABBOTT-STOUT, S.	LIBRARIAN	GS-9/2	100	8L1C1AJ4

MILESTONE ARRAY			SWR		701		5 OF 5																
TASK #	MAE	SEQ	SIGNIFICANT MILESTONE DISCRIPTIONS												FY 92		93		94				
8L1C1AJ2	A	12	FINAL PRODUCTION OF PUBLICATIONS, ADMINISTRATIVE REPORTS, TRANSLATIONS.												1	2	3	4	1	2	1	2	
															0	-	-	-	-	-	-	S	
	A	13	FINAL PRODUCTION OF CRUISE REPORTS, CRUISE NARRATIVES, PRESS RELEASES.												0	-	-	-	-	-	-	-	S
	A	14	DEVELOP ILLUSTRATIONAL MATERIAL FOR PUBLICATIONS, REPORTS, SYMPOSIA.												0	-	-	-	-	-	-	-	S
	A	15	PROVIDE EDITORIAL SERVICES TO ENHANCE SCIENTIFIC WRITING CAPABILITIES OF HONOLULU LABORATORY STAFF.												0	-	-	-	-	-	-	-	S
8L1C1AJ4	A	16	PROVIDE LIBRARY AND SCIENTIFIC REFERENCE SERVICE TO RESEARCH PROGRAMS.												0	-	-	-	-	-	-	-	S
	A	17	ASSIST AND COORDINATE TRANSLATION OF FOREIGN SCIENTIFIC PUBLICATIONS.												0	-	-	-	-	-	-	-	S
	A	18	FOSTER COOPERATION BY RESPONDING TO INFORMATION REQUESTS DIRECTLY OR VIA INTERLIBRARY LOANS.												0	-	-	-	-	-	-	-	S
	A	19	COMPUTERIZE CARD CATALOGUE OF EXISTING HOLDINGS AND ENSURE COMPATIBILITY WITH UNIVERSITY OF HAWAII'S SYSTEM.												0	-	-	-	-	-	-	-	S

FY 1992

FMC

REF. NO.

PAGE

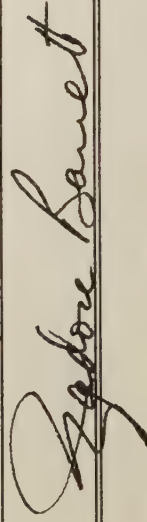
SWR

710

1 OF 4

TITLE	->	Fishery Oceanography Research Program			
TASK NUMBERS ->	8L1A7A00				
OBJECT CLASS	TASK #1	TASK #2	TASK #3	TASK #4	TOTAL
DIRECT LABOR	102.0				102.0
PERS. BENEFITS	14.8				14.8
TRAVEL	2.2				2.2
TRANSPORTATION	1.0				1.0
RENT, COMM., UTIL.	0.5				0.5
PRINT/REPROD.	1.0				1.0
CONTRACTS	1.2				1.2
SUPPLIES/MATERIAL	10.6				10.6
EQUIPMENT	6.0				6.0
GRANTS	0.0				0.0
TOTALS	139.3				139.3
FTE (FTP)	1.2				1.2
FTE (OTFTP)	1.6				1.6

APPROVAL SIGNATURE



HQ CONTACT

4/7/92

STRATEGIC PLAN

GOAL # OBJ #

3

1

VESSELS
SEA DAYS ALLOC.

21

NOAA

CHARTER

FREE

21

CROSS REFERENCES

TITLE	PRIN. FAC.	FTE	\$K	UNIT LEADER	LINE ITEM NAME
FISHERY OCEANOGRAPHY RES.	HON. LAB.	2.8	139.3	G. BOEHLERT	RESOURCE INFORMATION

- A. PROBLEM STATEMENT/OBJECTIVE: THE ROLE OF ENVIRONMENTAL AND OCEANOGRAPHIC VARIABILITY IN UNDERSTANDING FLUCTUATIONS IN FISHERY RESOURCES REQUIRES APPLICATION OF NON-TRADITIONAL TECHNOLOGY FOR FISHERIES. THE FISHERY OCEANOGRAPHY RESEARCH PROGRAM CONDUCTS RESEARCH ON THE ECOLOGY OF FISH AND SHELLFISH RESOURCES OF ISLAND- ASSOCIATED ECOSYSTEMS TO BETTER UNDERSTAND THE EFFECTS OF THE OCEAN ENVIRONMENT, PARTICULARLY ADVECTION OF EARLY LIFE HISTORY STAGES, ON VARIABILITY IN THESE RESOURCES.
- B. METHODOLOGY/APPROACH: ISLAND RESOURCES ARE OFTEN RECRUITMENT LIMITED, AND THE RELATIONSHIP OF THE EXTENSIVE PLANKTONIC LARVAL/JUVENILE HABITAT TO THE SPATIALLY LIMITED RECRUITMENT HABITAT IS CLEARLY OF INTEREST. UNDERSTANDING RECRUITMENT MECHANISMS WILL REQUIRE UNDERSTANDING THE VARIABILITY IN ADVECTION OR RETENTION OF EARLY LIFE HISTORY STAGES NEAR ISLANDS. DISTRIBUTIONAL STUDIES ARE COMBINED WITH MEASUREMENT OF THE VARIABILITY IN PHYSICAL OCEANOGRAPHY. ADDITIONAL STUDIES WILL TEST SAMPLING GEAR FOR RESEARCH ON LATE LARVAL AND JUVENILE STAGES TO BETTER DESCRIBE THE HABITAT FOR ALL LIFE HISTORY STAGES.
- C. PRODUCT/SERVICES: OUTPUT PRODUCTS FROM THIS TASK INCLUDE INFORMATION ON ECOLOGICAL ASSOCIATIONS OF DIFFERENT ISLAND SPECIES AND PROVIDE BASIC DATA USED FOR ECOSYSTEM MODELS, FISHERY MANAGEMENT PLANS, AND ENVIRONMENTAL IMPACT STATEMENTS. RESULTS ARE PUBLISHED IN THE SCIENTIFIC LITERATURE.
- D. CLIENTS: RESULTS OF THE RESEARCH, IN THE FORM OF DATA AND ANALYSIS, WILL BE USED BY OTHER RESEARCH TASKS, THE NMFS SOUTHWEST REGION, THE WESTERN PACIFIC REGIONAL FISHERY MANAGEMENT COUNCIL, THE FISHING INDUSTRY, CONSERVATION GROUPS, PRIVATE CONSULTANTS AND CONTRACTORS, AND STATE OF HAWAII AGENCIES. COOPERATION IN STUDIES OF RECRUITMENT WILL ALSO BENEFIT INTERNATIONAL AGENCIES WITH CURRENT PROGRAMS IN TROPICAL REGIONS.
- E. CONTRACTS: REMOTE SENSING DATA PRODUCTS.

PERSONNEL SCHEDULE

SWR

710

3 OF 4

#	NAME	TITLE	PAY PLAN/GRADE/STEP	% TIME	TASK #
FTP:					
1.	BOEHLERT, GEORGE W.	FISHERY BIOLOGIST RESEARCH	GM-15	15	8L1A7A00
2.	MUNDY, BRUCE C.	FISHERY BIOLOGIST RESEARCH	GS-11/3	100	8L1A7A00
PTP:					
1.	YOSHIMOTO, RONALD K.	BIOLOGICAL AID	GS-4/2	96	8L1A7A00
TEMPORARIES:					
1.	WILSON, CHRISTOPHER D.	FISHERY BIOLOGIST	GS-9/1	63	8L1A7A00

MILESTONE ARRAY			SWR		710		4 OF 4							
TASK #	MAE	SEQ	SIGNIFICANT MILESTONE DISCRIPTIONS											
			FY 92 93 94											
			1	2	3	4	1	2	1	2				
8L1A7A00	E	1	FIELD RESEARCH CRUISE AT PALMYRA ATOLL TO STUDY BIOLOGICAL AND OCEANOGRAPHIC ENVIRONMENT UNDER SLOW-FLOW CONDITIONS.											
	M	2	COMPLETE MANUSCRIPT ON DESCRIPTIVE PHYSICAL OCEANOGRAPHY AROUND PALMYRA ATOLL FROM 1990 CRUISE.											
	A	3	COLLABORATE WITH JIMAR, NWS, AND COASTWATCH TO ESTABLISH ENVIRONMENTAL DATA BASES AND REMOTE SENSING CAPABILITY.											
	E	4	COMPLETE DRAFT MANUSCRIPT ON LAGOON AND NEARSHORE ICHTHYOPLANKTON AT PALMYRA LAGOON RELATIVE TO CURRENTS AND FLUSHING PATTERNS.											
	E	5	COMPLETE STUDY OF BIOLOGICAL AND PHYSICAL OCEANOGRAPHY AROUND SE HANCOCK SEAMOUNT.											
	E	6	SUBMIT MANUSCRIPT ON NORTH PACIFIC BIOGEOGRAPHY OF MAUROLICUS MUELLERI TO JOURNAL.											
	M	7	COMPLETE TECHNICAL MEMORANDUM ON ICHTHYOPLANKTON OVER HANCOCK SEAMOUNT.											
	E	8	SUBMIT MANUSCRIPT ON ECOLOGY AND LIFE HISTORY OF SPINY DOGFISH AT HANCOCK SEAMOUNT TO JOURNAL.											
	M	9	CO-ORGANIZE SESSION ON RECRUITMENT IN MARINE AND FRESHWATER SYSTEMS AT ASLO WINTER 1992 MEETING; PRESENT PAPER.											
	E	10	COMPLETE DRAFT MANUSCRIPT ON THE LARVAL AND EARLY JUVENILE DEVELOPMENT OF PELAGIC ARMORHEAD, PSEUDOPENTACEROS WHEELERI.											
	M	11	COMPLETE TECHNICAL MEMORANDUM AND DRAFT PUBLICATIONS ON VERTICAL DISTRIBUTION OF ICHTHYOPLANKTON AROUND OAHU.											

FY 1992

FMC

REF. NO.

PAGE

SWR

720

1 OF 4

TITLE		-> Pelagic System Dynamic Program			
TASK NUMBERS ->	8L1C5AC0	TASK #1	TASK #2	TASK #3	TASK #4
OBJECT CLASS					
DIRECT LABOR	127.8				
PERS. BENEFITS	20.4				
TRAVEL	2.0				
TRANSPORTATION	0.0				
RENT, COMM., UTIL.	0.0				
PRINT/REPROD.	0.0				
CONTRACTS	0.0				
SUPPLIES/MATERIAL	1.0				
EQUIPMENT	0.0				
GRANTS	0.0				
TOTALS	151.2				
FTE (FTP)	1.9				
FTE (OTFTP)	0.4				
TOTAL					
		127.8			
		20.4			
		2.0			
		0.0			
		0.0			
		0.0			
		0.0			
		1.0			
		0.0			
		0.0			
		151.2			
		1.9			
		0.4			

STRATEGIC PLAN

GOAL # OBJ #

2

2

VESSELS
SEA DAYS ALLOC.

0

NOAA

CHARTER

FREE

0

CROSS REFERENCES

721
722

APPROVAL SIGNATURE

HQ CONTACT

Edore Banett 4/1/92

TITLE	PRIN. FAC.	FTE	\$K	UNIT LEADER	LINE ITEM NAME
PELAGIC SYS. DYNAMIC PROGRAM	HON. LAB.	2.3	151.2	J. WETHERALL	RESOURCE INFORMATION

- A. PROBLEM STATEMENT/OBJECTIVES: PROGRAM CONDUCTS SCIENTIFIC RESEARCH AND STOCK ASSESSMENTS FOR SOUTH PACIFIC ALBACORE AND OTHER PELAGIC RESOURCES. PROGRAM PROVIDES QUANTITATIVE SUPPORT FOR HAWAIIAN SEA TURTLE MONITORING AND RECOVERY PROGRAM.
- B. METHODOLOGY/APPROACH: PROGRAM CONSTRUCTS, TESTS, AND APPLIES MATHEMATICAL MODELS AND STATISTICAL PROCEDURES TO FISHERY STATISTICS, LIFE HISTORY DATA, AND SURVEY RESULTS.
- C. PRODUCTS/SERVICES: PRODUCTS INCLUDE ADMINISTRATIVE AND TECHNICAL REPORTS, WORKSHOP PAPERS, AND MANUSCRIPTS FOR PUBLICATION.
- D. CLIENTS: PROGRAM PROVIDES SCIENTIFIC ADVICE FOR NMFS FISHERY MANAGERS AND STATE DEPARTMENT NEGOTIATORS IN SOUTH PACIFIC. PROGRAM PROVIDES QUANTITATIVE ADVICE AND SUPPORT TO HAWAIIAN SEA TURTLE RECOVERY TEAM AND GUIDANCE TO U.S. FISH AND WILDLIFE SERVICE REGARDING GREEN TURTLE NESTING POPULATION SURVEYS.
- E. CONTRACTS: NONE.

PERSONNEL SCHEDULE

3 OF 4

720

SWR

#	NAME	TITLE	PAY PLAN/GRADE/STEP	% TIME	TASK #
FTP:					
1.	WETHERALL, JERRY A.	SUPERVISORY FISH. BIOLOGIST MATHEMATICIAN FISHERY BIOLOGIST	GM-14 GS-11/10 GS-11/1	75	8L1A5AC0
2.	YONG, MARIAN Y.Y.			90	8L1A5AC0
3.	SEKI, MICHAEL			25	8L1A5AC0
TEMPORARIES:					
1.	YANO, SHIGERU	RES. LAB. MECHANIC	WG-6/2	38	8L1A5AC0

FMC	REF. NO.	PAGE
SWR	721	1 OF 4

TITLE	->	Pelagic Ecosystem Program			
TASK NUMBERS ->		TASK #1	TASK #2	TASK #3	TASK #4
		8L1A6AK0			
OBJECT CLASS		TASK #1	TASK #2	TASK #3	TASK #4
DIRECT LABOR		99.0			TOTAL
					99.0
PERS. BENEFITS		15.5			
					15.5
TRAVEL		1.0			
					1.0
TRANSPORTATION		0.0			
					0.0
RENT, COMM., UTIL.		0.0			
					0.0
PRINT/REPROD.		0.0			
					0.0
CONTRACTS		0.0			
					0.0
SUPPLIES/MATERIAL		1.0			
					1.0
EQUIPMENT		1.0			
					1.0
GRANTS		0.0			
					0.0
TOTALS		117.5			117.5
FTE (FTP)		1.8			1.8
FTE (OTFTP)		0.0			0.0

STRATEGIC PLAN	
GOAL #	OBJ #
3	1

VESSELS		
# SEA DAYS ALLOC.		
30		
NOAA	CHARTER	FREE
30		

CROSS REFERENCES
720
722
724

APPROVAL SIGNATURE

HQ CONTACT

TITLE	PRIN. FAC.	FTE	\$K	UNIT LEADER	LINE ITEM NAME
PELAGIC ECOSYSTEM PROGRAM	HON. LAB.	1.8	117.5	R. W. BRILL	INFO. ANAL. & DISSEM.

- A. PROBLEM STATEMENT/OBJECTIVES: A KNOWLEDGE OF THE ECOLOGY OF MARINE ANIMALS, THEIR PREFERENCE, AND THEIR RESPONSES TO ENVIRONMENTAL CHANGES (INCLUDING PATHOGENS) IS ESSENTIAL FOR THE DEVELOPMENT OF EFFECTIVE MANAGEMENT STRATEGIES. THE PELAGIC ECOSYSTEM PROGRAM THEREFORE CONDUCTS RESEARCH RELEVANT TO THE BIOLOGY AND ECOLOGY OF FISHES, ANOTHER MARINE ANIMALS TO BETTER UNDERSTAND AND PREDICT THEIR MOVEMENTS, DISTRIBUTION, SURVIVAL, AND VULNERABILITY TO CAPTURE.
- B. METHODOLOGY/APPROACH: THE PROGRAM INTERACTS CLOSELY WITH OTHER PROGRAMS AT THE HONOLULU LABORATORY TO IDENTIFY CRITICAL NEEDS FOR INFORMATION AND CARRIES OUT APPROPRIATE EXPERIMENTS IN SHORESIDE FACILITIES AND AT SEA. THE INFORMATION DEVELOPED IS INTENDED TO PROVIDE OTHER INVESTIGATORS, RESOURCE MANAGERS, AND THOSE RESPONSIBLE FOR ENDANGERED SPECIES PROTECTION WITH THE KNOWLEDGE ESSENTIAL FOR THE DEVELOPMENT OF REALISTIC MODELS AND EFFECTIVE RESOURCE MANAGEMENT AND ENDANGERED SPECIES RECOVERY PLANS.
- C. PRODUCTS/SERVICES: THE PRINCIPLE PRODUCTS OF THE PROGRAM ARE PUBLICATIONS IN THE SCIENTIFIC LITERATURE. THE DATA DEVELOPED ARE THUS WIDELY DISSEMINATED TO PROMOTE FULL UTILIZATION OF THE RESULTS.
- D. CLIENTS: CLIENTS INCLUDE, BUT ARE NOT LIMITED TO, OTHER SCIENTISTS WITHIN AND OUTSIDE THE HONOLULU LABORATORY, RESOURCE MANAGERS, AND THOSE INVOLVED IN DEVELOPMENT OF ENDANGERED SPECIES RECOVERY PLANS.
- E. CONTRACTS: NONE.

PERSONNEL SCHEDULE

SWR

721

3 OF 4

#	NAME	TITLE	PAY PLAN/GRADE/STEP	% TIME	TASK #
FTP:					
1.	BRILL, RICHARD	FISHERY BIOLOGIST	GM-13	80	8L1A6AK0
2.	CHANG, RANDY	FISHERY BIOLOGIST	GS-11/9	100	8L1A6AK0

TITLE	->	Pelagic Stock Assessment Program			
TASK NUMBERS ->	8L1C2A00				
OBJECT CLASS	TASK #1	TASK #2	TASK #3	TASK #4	TOTAL
DIRECT LABOR	224.7				224.7
PERS. BENEFITS	34.1				34.1
TRAVEL	3.0				3.0
TRANSPORTATION	0.0				0.0
RENT, COMM., UTIL.	0.0				0.0
PRINT/REPROD.	0.0				0.0
CONTRACTS	0.0				0.0
SUPPLIES/MATERIAL	8.0				8.0
EQUIPMENT	2.0				2.0
GRANTS	0.0				0.0
TOTALS	271.8				271.8
FTE (FTP)	4.0				4.0
FTE (OTFTP)	1.0				1.06

<u>STRATEGIC PLAN</u>		
<u>GOAL #</u>	<u>OBJ #</u>	
2	1, 2	
VESSELS		
# SEA DAYS ALLOC.		
55		
NOAA	CHARTER	FREE
55		
<u>CROSS REFERENCES</u>		
720		
722		
724		

APPROVAL SIGNATURE	<i>Egore Bennett</i>	4/17/92	HQ CONTACT
--------------------	----------------------	---------	------------

TITLE	PRIN. FAC.	FTE	\$K	UNIT LEADER	LINE ITEM NAME
PELAGIC STOCK ASSESSMENT	HON. LAB.	5.0	271.8	R. SKILLMAN	RESOURCE INFORMATION

- A. PROBLEM STATEMENT/OBJECTIVES: PROGRAM RESEARCH, ANALYSIS, AND ADVICE IMPROVES SCIENTIFIC BASIS FOR PELAGIC FISHERY MANAGEMENT DECISIONS IN THE WESTERN PACIFIC REGION ESSENTIAL FOR IMPLEMENTING THE MAGNUSON FISHERY CONSERVATION AND MANAGEMENT ACT.
- B. METHODOLOGY/APPROACH: PROGRAM CONDUCTS AT-SEA RESEARCH SURVEYS, COLLECTS AND ANALYZES BIOLOGICAL SPECIMENS FROM FISH MARKETS, ANALYZES FISHERY STATISTICS, AND MODELS RESOURCES DYNAMICS. PROGRAM PROVIDES SCIENTIFIC ADVICE FOR PELAGICS FMP DEVELOPMENT AND MONITORING.
- C. PRODUCTS/SERVICES: PROGRAM ISSUES ADMINISTRATIVE AND TECHNICAL REPORTS, SCIENTIFIC MANUSCRIPTS FOR PUBLICATION, AND TECHNICAL ADVISORY INFORMATION FOR FISHERY MANAGERS.
- D. CLIENTS: NMFS MANAGEMENT AND WESTERN PACIFIC REGIONAL FISHERY MANAGEMENT COUNCIL RELY ON PROGRAM PRODUCTS FOR FISHERY MANAGEMENT DECISIONS. FISHING INDUSTRY BENEFITS DIRECTLY FROM REPORTS AND INFORMATION BRIEFS.
- E. CONTRACTS: NONE.

PERSONNEL SCHEDULE

#	NAME	TITLE	PAY PLAN/GRADE/STEP	% TIME	TASK #
FTP:					
1.	SKILLMAN, ROBERT A.	SUPERVISORY FISH. BIOLOGIST	GM-13	100	8L1C2A00
2.	UCHIYAMA, JAMES H.	FISHERY BIOLOGIST RES.	GS-11/8	100	8L1C2A00
3.	SAMPAGA, JEFFREY D.	BIOLOGICAL TECHNICIAN	GS-5/7	100	8L1C2A00
4.	BOGGS, CHRISTOFER H.	FISHERY BIOLOGIST	GS-12/4	100	8L1C2A00
TEMPORARIES:					
1.	KOCH, LINDA	BIOLOGICAL TECHNICIAN	GS-5/1	24	8L1C2A00
2.	CURRAN, DANIEL	BIOLOGICAL TECHNICIAN	GS-5/1	72	8L1C2A00

MILESTONE ARRAY

TASK #	MAE	SEQ	SIGNIFICANT MILESTONE DISCRIPTIONS	FY 92	93	94
8L1C2A00	E	1	CONDUCT LONGLINE RESERACH CRUISE ON THE BIOLOGY AND HABITAT UTILIZATION OF SWORDFISH.	1	2	3
	E	2	CONDUCT LONGLINE CRUISE TO STUDY BLUE MARLIN & YELLOWFIN TUNA HABITAT UTILIZATION USEFUL IN REDUCING THE BYCATCH OF BILLFISH (& -RELEASING LIVE BILLFISH) WHILE MAINTAINING FISHING EFFICIENCY FOR TUNA.	M	A	
	M	3	PUBLISH PAPER ON RESULTS OF GEAR VULNERABILITY STUDY INVOLVING BIGEYE TUNA AND STRIPED MARLIN.	M		
	A	4	CONDUCT BIOLOGICAL STUDIES TO ESTIMATE THE VITAL PARAMETERS & DETERMINE STOCK HETEROGENEITY OF SWORDFISH, YELLOWFIN TUNA & OTHER PELAGIC SPECIES.	O	-	-
	A	5	CONTRIBUTE EXPERTISE TO WPRPMC PELAGICS PMT AND SCIENTIFIC AND STATISTICAL COMMITTEE.	O	-	-
	M	6	COMPLETE MANUSCRIPT ON FISHERY INTERACTION AMONG SEGMENTS OF THE HAWAII PELAGIC FISHERY.	F		
	M	7	COMPLETE MANUSCRIPT ON HAWAII PELAGIC FISH CATCH AND CATCH RATE STATISTICS OF DOMESTIC AND FOREIGN FISHERIES.	M		

TITLE		->	North Pacific Albacore Driftnet Impacts			
TASK NUMBERS ->		8L2B5N02	8L2B5N10			
OBJECT CLASS	TASK #1		TASK #2	TASK #3	TASK #4	
	Hawaii		La Jolla			
DIRECT LABOR	241.4		75.7			
PERS. BENEFITS	37.2		9.0			
TRAVEL	20.0		10.0			
TRANSPORTATION	6.0		0.6			
RENT, COMM., UTIL.	50.0		2.0			
PRINT/REPROD.	6.7		0.0			
CONTRACTS	12.0		7.0			
SUPPLIES/MATERIAL	14.7		5.0			
EQUIPMENT	5.0		0.0			
GRANTS	153.7*		0.0			
TOTALS		546.7	109.3			
FTE (FTP)		1.5	0.0			
FTE (OTFTP)		6.3	2.7			

* INCLUDE ~~SWF300~~ TAX OF \$78.7K

APPROVAL SIGNATURE

HQ CONTACT

4/7/92

STRATEGIC PLAN

GOAL # OBJ #

VESSELS
SEA DAYS ALLOC.

18

NOAA

CHARTER

FREE

18

CROSS REFERENCES

EXECUTIVE SUMMARY

SWR

723

2 OF 5

TITLE	PRIN. FAC.	FTE	\$K	UNIT LEADER	LINE ITEM NAME
N. PACIFIC DRIFTNET IMPACT	HON. LAB.	10.5	546.7	J. WETHERALL	RESOURCE INFO.

- A. PROBLEM STATEMENT/OBJECTIVES: PROGRAM PROVIDES SUPPORT AND ADVICE FOR MANAGEMENT DECISIONS ON NORTH PACIFIC HIGH-SEAS DRIFTNETS IN REGARD TO THEIR IMPACTS ON ALBACORE, OTHER TUNAS, BILLFISHES, AND MARINE TURTLES. PROGRAM WORK MANDATED BY FEDERAL LEGISLATION ON HIGH-SEAS DRIFTNETS, U.N. RESOLUTION ON DRIFTNET FISHING, AND BILATERAL AGREEMENTS WITH FOREIGN GOVERNMENTS.
- B. METHODOLOGY/APPROACH: PROGRAM CONDUCTS SURVEYS AND BIOLOGICAL RESEARCH AT SEA AND SHORESIDE, ANALYZES FISHERY STATISTICS AND DATA COLLECTED BY OBSERVERS ON DRIFTNET VESSELS, AND CONDUCTS QUANTITATIVE ASSESSMENTS OF DRIFTNET IMPACTS.
- C. PRODUCT/SERVICES: PROGRAM PROVIDES TECHNICAL EXPERTISE FOR NEGOTIATIONS, PRODUCES ADMINISTRATIVE AND TECHNICAL REPORTS, ADVISORY DOCUMENTS, AND MANUSCRIPTS FOR PUBLICATION.
- D. CLIENTS: PROGRAM SUPPORTS NMFS AND STATE DEPT. OFFICIALS ENGAGED IN BILATERAL NEGOTIATIONS AND RESPONSIBLE FOR POLICY DECISIONS.
- E. CONTRACTS: DATA ANALYSIS (\$12K), DRIFTNET DROP OUT DATA ANALYSIS (\$7K).

PERSONNEL SCHEDULE

SWR

723

3 OF 5

#	NAME	TITLE	PAY PLAN/GRADE/STEP	% TIME	TASK #
FTP:					
1.	WETHERALL, JERRY A.	SUPERVISORY FISH. BIOLOGIST	GM-14	25	8L2B5N02
2.	SEKI, MICHAEL	FISHERY BIOLOGIST	GS-11/2	75	8L2B5N02
3.	YONG, MARIAN Y.	MATHEMATICIAN	GS-11/10	10	8L2B5N02
4.	BRILL, RICHARD W.	FISHERY BIOLOGIST	GM-13	20	8L2B5N02
5.	BALAZS, GEORGE H.	ZOOLOGIST	GS-12/2	15	8L2B5N02
PTP:					
1.	LOTENSTEIN, SERGIO	EDITORIAL CLERK	GS-5/1	58	8L2B5N02
TEMPORARIES:					
1.	BIGELOW, KEITH A.	FISHERY BIOLOGIST	GS-7/1	100	8L2B5N02
2.	HAWN, DONALD R.	BIOLOGICAL TECHNICIAN	GS-5/1	100	8L2B5N02
3.	GARCIA, JANE E.	CLERK	GS-3/1	18	8L2B5N02
4.	DINARDO, GERALD	FISHERY BIOLOGIST	GS-12/1	56	8L2B5N02
5.	TOKUNAGA, REESE	COMPUTER PROGRAMMER	GS-5/1	100	8L2B5N02
6.	JONES, JEFF	BIOLOGICAL AID	GS-3/1	50	8L2B5N02
7.	RARING, NATHAN	BIOLOGICAL TECHNICIAN	GS-5/1	100	8L2B5N02
8.	YANO, SHIGERU	RESEARCH LAB MECHANIC	WG-6/1	62	8L2B5N02
9.	HALKO, L.	BIOLOGICAL TECHNICIAN	GS-5/1	100	8L2B5N10
10.	TBN	OBSERVER	GS-5/1	33	8L2B5N10
11.	TBN	OBSERVER	GS-5/1	33	8L2B5N10
12.	TBN	OBSERVER	GS-5/1	33	8L2B5N10
13.	TBN	OBSERVER	GS-5/1	33	8L2B5N10
14.	TBN	OBSERVER	GS-5/1	33	8L2B5N10

FMC	REF. NO.	PAGE
SWR	730	1 OF 4

TITLE ->		Insular Stock Assessment			
TASK NUMBERS ->	8L1C5AH1	TASK #1	TASK #2	TASK #3	TASK #4
OBJECT CLASS					
DIRECT LABOR	144.0				TOTAL
PERS. BENEFITS	22.1				144.0
TRAVEL	0.0				22.1
TRANSPORTATION	0.0				0.0
RENT, COMM., UTIL.	0.0				0.0
PRINT/REPROD.	0.0				0.0
CONTRACTS	1.0				1.0
SUPPLIES/MATERIAL	4.0				4.0
EQUIPMENT	0.0				0.0
GRANTS	0.0				0.0
TOTALS	171.1				171.1
FTE (FTP)	1.8				1.8
FTE (OTFTP)	2.5				2.5

STRATEGIC PLAN	
GOAL #	OBJ #
1, 2	1, 2

VESSELS		
# SEA DAYS ALLOC.		
0		
NOAA	CHARTER	FREE
0		

CROSS REFERENCES
731

APPROVAL SIGNATURE *Barbara Bennett* 4/1/92 HQ CONTACT

EXECUTIVE SUMMARY

SWR

730

2 OF 4

TITLE	PRIN. FAC.	FTE	\$K	UNIT LEADER	LINE ITEM NAME
INSULAR STOCK ASSESSMENT	HON. LAB.	4.3	171.1	J. POLOVINA	INFO. ANAL. & DISSEM.

- A. PROBLEM STATEMENT/OBJECTIVE: THIS TASK ADDRESSES THE PROBLEM OF ASSESSING EXPLOITED INSULAR RESOURCES TO DETERMINE THEIR DEVELOPMENTAL POTENTIAL OR THE EXTENT TO WHICH THEY ARE OVERFISHED. THE ANALYSES CONDUCTED AND THE INFORMATION PRODUCED CONCERN TROPICAL SLOPE, NEARSHORE AND SEAMOUNT ECOSYSTEMS WITH EMPHASIS ON BOTTOMFISHES AND SEAMOUNT GROUNDFISHES. RESEARCH RESULTS PROVIDE DECISION MAKERS WITH THE INFORMATION NECESSARY TO MANAGE THESE FISHERIES.
- B. METHODOLOGY/APPROACH: DATA ARE COLLECTED BY REGULATORY AGENCIES AND ANALYZED BY QUANTITATIVE FISHERIES MODELS TO DETECT UNDERLYING PATTERNS IN GROWTH, MORTALITY AND COMMUNITY PRODUCTION. RESEARCH DATA ARE ALSO COLLECTED DURING SCIENTIFIC CRUISES TO DETERMINE SPATIAL AND TEMPORAL PATTERNS IN RESOURCES ABUNDANCE, TO DEVELOP ESTIMATES OF BIOMASS, AND TO ACQUIRE BIOLOGICAL SAMPLES FOR LABORATORY ANALYSIS.
- C. PRODUCT/SERVICES: ANNUAL REPORTS CONCERNING THE STATUS OF THE BOTTOMFISH AND SEAMOUNT GROUND FISH STOCKS ARE PRODUCED FOR USE BY THE WESTERN PACIFIC REGIONAL FISHERY MANAGEMENT COUNCIL. INNOVATIVE METHODOLOGIES AND NOTEWORTHY FINDINGS ARE PUBLISHED IN THE SCIENTIFIC LITERATURE.
- D. THE PRIMARY CLIENTS WILL BE THE WESTERN PACIFIC REGIONAL FISHERY MANAGEMENT COUNCIL, ITS SCIENTIFIC AND STATISTICAL COMMITTEE, AND THE INDUSTRY ADVISORY PANEL. ISLAND GOVERNMENTS THROUGHOUT THE PACIFIC REGION ALSO BENEFIT SUBSTANTIALLY FROM THE RESEARCH CONDUCTED IN THIS TASK.
- E. CONTRACTS: CONTRACT FOR SCUBA MAINTENANCE.

PERSONNEL SCHEDULE

SWR

730

3 OF 4

#	NAME	TITLE	PAY PLAN/GRADE/STEP	% TIME	TASK #
FTP:					
1.	SHIOTA, PAUL M.	FISHERY BIOLOGIST	GS-11/8	100	8L1C5AH1
2.	EVERSON, ALAN R.	FISHERY BIOLOGIST	GS-7/6	75	8L1C5AH1
PTP:					
1.	WILLIAMS, HAPPY A.	BIOLOGICAL AID	GS-5/4	50	8L1C5AH1
2.	KOBAYASHI, DONALD R.	FISHERY BIOLOGIST	GS-7/2	96	8L1C5AH1
TEMPORARIES:					
1.	HAIGHT, WAYNE	OPERATION RESEARCH ANALYST	GS-9/1	100	8L1C5AH1

FY 1992

FMC

REF. NO.

PAGE

SWR

731

1 OF 4

TITLE		-> Insular Ecology Program			
TASK NUMBERS ->	8L1A6AE0	TASK #1	TASK #2	TASK #3	TASK #4
OBJECT CLASS	TASK #1	TASK #2	TASK #3	TASK #4	TOTAL
DIRECT LABOR	136.4				136.4
PERS. BENEFITS	20.7				20.7
TRAVEL	3.0				3.0
TRANSPORTATION	0.0				0.0
RENT, COMM., UTIL.	0.0				0.0
PRINT/REPROD.	0.0				0.0
CONTRACTS	0.0				0.0
SUPPLIES/MATERIAL	0.6				0.6
EQUIPMENT	0.0				0.0
GRANTS	0.0				0.0
TOTALS	160.7				160.7
FTE (FTP)	3.0				3.0
FTE (OTFTP)	1.0				1.0

STRATEGIC PLAN

GOAL #

OBJ #

3

1

VESSELS

SEA DAYS ALLOC.

36

NOAA

CHARTER

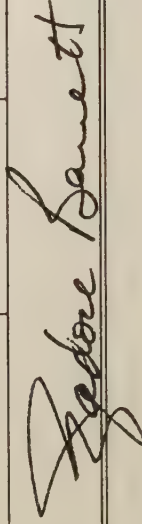
FREE

36

CROSS REFERENCES

730

APPROVAL SIGNATURE



HQ CONTACT

4/7/92

TITLE	PRIN. FAC.	FTE	\$K	UNIT LEADER	LINE ITEM NAME
INSULAR ECOLOGY PROGRAM	HON. LAB.	4.0	160.7	E. DEMARTINI	RESOURCE INFORMATION

- A. PROBLEM STATEMENT/OBJECTIVE: THIS TASK CONDUCTS RESEARCH ON ECOLOGICAL ASPECTS OF INSULAR MARINE RESOURCES. THE WORK INCLUDES STUDIES ON GROWTH, FECUNDITY, AND HABITAT DESCRIPTION AND USAGE OF COMMERCIALY VALUABLE SPECIES.
- B. METHODOLOGY/APPROACH: FIELD SAMPLING PROVIDES SPECIMENS FOR GROWTH AND FECUNDITY STUDIES WHICH ARE FURTHER ANALYZED IN THE LABORATORY. TRAWL SURVEYS, REMOTE VIDEO, AND LONGLINE FISHING USED TO ESTIMATE THE SPATIAL AND TEMPORAL DISTRIBUTION OF JUVENILE SNAPPERS.
- C. PRODUCT/SERVICES: GROWTH EQUATIONS FOR SNAPPERS WILL BE PRODUCED AND USED IN ANALYSIS FOR THE BOTTOMFISH FMP. FECUNDITY AS A FUNCTION OF SIZE FOR LOBSTER WILL BE ESTIMATED AND USED IN SPAWNING BIOMASS ESTIMATES IN THE LOBSTER FMP.
- D. CLIENTS: WESTERN PACIFIC REGIONAL FISHERY MANAGEMENT COUNCIL.
- E. CONTRACTS: NONE.

PERSONNEL SCHEDULE

3 OF 4

731

SWR

#	NAME	TITLE	PAY PLAN/GRADE/STEP	% TIME	TASK #
FTP:					
1.	HUMPHREYS, ROBERT JR.	FISHERY BIOLOGIST	GS-9/3	100	8L1A6AE0
2.	DEMARTINI, EDWARD E.	FISHERY BIOLOGIST	GS-12/1	100	8L1A6AE0
3.	LANDGRAF, KEVIN	BIOLOGICAL TECHNICIAN	GS-6/3	100	8L1A6AE0
TEMPORARIES:					
1.	ELLIS, DENISE	BIOLOGICAL TECHNICIAN	GS-5/1	100	8L1A6AE0

TITLE	->	Fishery Systems Dynamics			
TASK NUMBERS ->	8L1A4BRS	TASK #1	TASK #2	TASK #3	TASK #4
OBJECT CLASS		TASK #1			
DIRECT LABOR	233.8				TOTAL
PERS. BENEFITS	33.8				233.8
TRAVEL	4.0				33.8
TRANSPORTATION	0.0				4.0
RENT, COMM., UTIL.	0.0				0.0
PRINT/REPROD.	0.0				0.0
CONTRACTS	0.0				0.0
SUPPLIES/MATERIAL	10.0				10.0
EQUIPMENT	0.0				0.0
GRANTS	0.0				0.0
TOTALS	281.6				281.6
FTE (FTP)	4.0				4.0
FTE (OTFTP)	1.0				1.0

STRATEGIC PLAN

GOAL # OBJ #

3

1, 2

VESSELS

SEA DAYS ALLOC.

59

NOAA

CHARTER

FREE

59

CROSS REFERENCES

730

APPROVAL SIGNATURE

Edore Lane H

4/7/92

HQ CONTACT

EXECUTIVE SUMMARY

SWR

732

2 OF 4

TITLE	PRIN. FAC.	FTE	\$K	UNIT LEADER	LINE ITEM NAME
FISH. SYSTEMS DYNAMICS	HON. LAB.	5.0	281.6	J. POLOVINA	RESOURCE INFORMATION

A. PROBLEM STATEMENT/OBJECTIVE: THIS TASK INVESTIGATES POPULATION DYNAMICS AND RESOURCE ASSESSMENT FOR FISHERY RESOURCES AROUND TROPICAL ISLAND ECOSYSTEMS. FIELD SAMPLING AND QUANTITATIVE METHODS ARE USED TO DEVELOP MANAGEMENT ADVICE FOR HAWAIIAN FISHERIES.

B. METHODOLOGY/APPROACH: FIELD SAMPLING AND QUANTITATIVE MODELS ARE USED TO EXPLAIN AND FORECAST CHANGES WITHIN AND BETWEEN ISLAND ECOSYSTEMS. RESEARCH SAMPLING FOR LOBSTER LARVAE AND JUVENILE SNAPPERS WILL DOCUMENT THE TEMPORAL AND SPATIAL SCALE OF RECRUITMENT PROCESSES FOR THESE RESOURCES. QUANTITATIVE MODELS ARE USED FOR ASSESSMENT AND FORECASTING IN THE LOBSTER FISHERY.

C. PRODUCT/SERVICES: AN ANNUAL STATUS OF LOBSTER STOCKS REPORT IS PRODUCED FOR THE WESTERN PACIFIC REGIONAL FISHERY MANAGEMENT COUNCIL. CURRENT ECOLOGICAL AND METHODOLOGICAL RESULTS ARE PUBLISHED IN SCIENTIFIC JOURNALS.

D. CLIENTS: WESTERN PACIFIC REGIONAL FISHERY MANAGEMENT COUNCIL AND ISLAND GOVERNMENTS

E. CONTRACTS: NONE.

PERSONNEL SCHEDULE

SWR

732

3 OF 4

#	NAME	TITLE	PAY PLAN/GRADE/STEP	% TIME	TASK #
FTP:					
1.	POLOVINA, JEFFREY J.	SUPERVISORY MATH. STATISTN	GM-14	100	8L1A4BRS
2.	KAZAMA, THOMAS K.	FISHERY BIOLOGIST RES.	GS-11/8	100	8L1A4BRS
3.	MOFFITT, ROBERT B.	FISHERY BIOLOGIST RES.	GS-11/2	100	8L1A4BRS
4.	PARRISH, FRANK A.	BIOLOGICAL TECH.	GS-7/2	100	8L1A4BRS
TEMPORARIES:					
1.	TIMME, LESLIE	BIOLOGICAL TECHNICIAN	GS-5/1	100	8L1A4BRS

TITLE		->	Fishery Management & Economics			
TASK NUMBERS ->		8L1C1AP0	8L1C1AP1			
OBJECT CLASS		TASK #1	TASK #2	TASK #3	TASK #4	
		FISH/MGMT	KEWALO			
DIRECT LABOR		222.7	8.5			231.2
PERS. BENEFITS		34.1	1.3			35.4
TRAVEL		0.0	0.0			0.0
TRANSPORTATION		0.0	0.0			0.0
RENT, COMM., UTIL.		0.0	45.0			45.0
PRINT/REPROD.		0.0	0.0			0.0
CONTRACTS		0.0	2.0			2.0
SUPPLIES/MATERIAL		10.4	0.0			10.4
EQUIPMENT		0.0	0.0			0.0
GRANTS		0.0	0.0			0.0
TOTALS		267.2	56.8			324.0
FTE (FTP)		5.0	0.0			5.0
FTE (OTFTP)		1.0	0.5			1.5

APPROVAL SIGNATURE



HQ CONTACT

4/17/92

STRATEGIC PLANGOAL # OBJ #

1, 2 1, 2 & 3

VESSELS
SEA DAYS ALLOC.

0

NOAA

CHARTER

FREE

0

CROSS REFERENCES

TITLE	PRIN. FAC.	FTE	\$K	UNIT LEADER	LINE ITEM NAME
FISH. MANAGEMENT & ECONOMICS	HON. LAB.	6.5	324.0	S. POOLEY	INFO. ANA. & DISSEM.

A. PROBLEM STATEMENT/OBJECTIVE: FMPI IS THE FOCAL POINT FOR PROVIDING SCIENTIFIC INFORMATION TO THE WESTERN PACIFIC FISHERY MANAGEMENT COUNCIL (COUNCIL). OBJECTIVES: TO PROVIDE FISHERIES DATA FOR BIOLOGICAL AND ECONOMIC RESEARCH ON CENTRAL AND WESTERN PACIFIC FISHERIES. TO CONDUCT OPERATIONAL AND ECONOMIC RESEARCH ON MONITORED FISHERIES.

B. METHODOLOGY/APPROACH: FOCAL POINT INVOLVES PARTICIPATION IN EACH COUNCIL "PLAN MONITORING TEAM" AND PREPARATION OF QUARTERLY REPORTS ON MONITORED FISHERIES. DATA COLLECTION INVOLVES COLLECTION, COMPILATION, AND SUMMARY REPORTING OF FISHERY AND MARKET DATA FOR MFCMA FISHERIES. DATA INCLUDE LOGBOOK PROGRAMS, SHORESIDE SAMPLING, ON-BOARD OBSERVER COVERAGE, AND SPECIAL SURVEYS. FISHERIES OPERATIONS RESEARCH INVOLVES ANALYSIS OF VESSEL PARTICIPATION PATTERNS. FISHERIES ECONOMIC RESEARCH INVOLVES COST-EARNINGS STUDIES OF VESSELS, ANALYSIS OF SEAFOOD MARKET CHANNELS, RECREATIONAL VALUATION STUDIES, AND REGULATORY IMPACT ANALYSIS.

C. PRODUCT/SERVICES: ANNUAL AND QUARTERLY REPORTS ON STATUS OF MAJOR FISHERIES (BOTTOMFISH, CRUSTACEANS, PELAGICS, AND TUNAS). ADMINISTRATIVE REPORTS ON OPERATIONAL RESEARCH. ADMINISTRATIVE REPORTS AND PUBLISHED PAPERS ON ECONOMIC RESEARCH. CONSOLIDATED FISHERY RESEARCH DATA SETS.

D. CLIENTS. PRIMARY: WESTERN PACIFIC FISHERY MANAGEMENT COUNCIL. HONOLULU LABORATORY INSULAR AND PELAGIC RESEARCH INVESTIGATIONS. SECONDARY: STATE AND TERRITORIAL FISHERIES AGENCIES; UNIVERSITY OF HAWAII RESEARCHERS; OTHER FEDERAL FACILITIES; PRIVATE INDUSTRY AND THE PUBLIC.

E. CONTRACTS: TRASH PICKUP SERVICE IS NEEDED FOR KEWALO FACILITY.

PERSONNEL SCHEDULE

SWR

740

3 OF 4

#	NAME	TITLE	PAY PLAN/GRADE/STEP	% TIME	TASK #
FTP:					
1.	POOLEY, SAMUEL G.	INDUSTRY ECONOMIST	GM-13	100	8L1C2AP0
2.	SUMIDA, RAY F.	FISHERY BIOLOGIST	GS-11/10	100	8L1C2AP0
3.	CABACUNGAN, GRANK L.	PROGRAMMER	GS-7/1	100	8L1C2AP0
4.	KAWAMOTO, KURT E.	FISHERY BIOLOGIST	GS-7/4	100	8L1C2AP0
5.	ITO, RUSSEL Y.	BIOLOGICAL TECH.	GS-6/3	100	8L1C2AP0
TEMPORARIES:					
1.	TBN	PROGRAMMER	GS-7/1	24	8L1C2AP0
2.	YOSHIMOTO, STACEY	OP. RES. ANALYST	GS-5/1	75	8L1C2AP0
3.	CAMBRA, GLENN P.	BIOLOGICAL AID	GS-3/1	50	8L1C2AP1

FY 1992

FMC	REF. NO.	PAGE
SWR	741	1 OF 4

TITLE		->		WPACFIN	
TASK NUMBERS ->		8L1C1AUW			
OBJECT CLASS		TASK #1	TASK #2	TASK #3	TASK #4
TOTAL					
DIRECT LABOR		80.6			
PERS. BENEFITS		12.6			
TRAVEL		8.0			
TRANSPORTATION		0.0			
RENT, COMM., UTIL.		1.5			
PRINT/REPROD.		1.5			
CONTRACTS		0.5			
SUPPLIES/MATERIAL		2.5			
EQUIPMENT		3.0			
GRANTS		0.0			
TOTALS		110.2			
FTE (FTP)		2.3			
FTE (OTFTP)		0.0			

STRATEGIC PLAN

GOAL # OBJ #

All

VESELS

SEA DAYS ALLOC.

NOAA	CHARTER	FREE

CROSS REFERENCES

Edore Bennett

4/7/92

HQ CONTACT

APPROVAL SIGNATURE

TITLE	PRIN. FAC.	FTE	\$K	UNIT LEADER	LINE ITEM NAME
WPACFIN	HON. LAB.	2.3	110.2	D. HAMM	INFO ANAL. & DISSEM.

- A. PROBLEM STATEMENT/OBJECTIVE: THE WESTERN PACIFIC FISHERY INFORMATION NETWORK (WPACFIN) WAS DEVELOPED TO SUPPLY TIMELY AND ACCURATE FISHERIES DATA FOR PLANNING AND MANAGEMENT PURPOSES. THE WPACFIN IS THE CENTRAL SOURCE OF INFORMATION ON MOST FISHERIES IN AMERICAN SAMOA, THE COMMONWEALTH OF THE NORTHERN MARIANA ISLANDS (CNMI), GUAM, AND HAWAII. THE PROGRAM ALSO SUPPORTS OTHER PACIFIC ISLANDS' (E.G., COMPACT STATES) FISHERIES DATA NEEDS AS TIME AND RESOURCES PERMIT.
- B. METHODOLOGY/APPROACH: THROUGH PROVIDING TECHNICAL ASSISTANCE TO PACIFIC ISLAND FISHERIES AGENCIES, WPACFIN'S COOPERATIVE PROGRAM ESTABLISHES AND MAINTAINS A REGIONAL INFORMATION NETWORK TO HELP MEET THE DATA REQUIREMENTS OF THE MAGNUSON FISHERY CONSERVATION AND MANAGEMENT ACT. THE WPACFIN ALSO FACILITATES ADMINISTRATION OF FUNDS AVAILABLE TO ISLAND FISHERIES AGENCIES THROUGH THE PACFIN SYSTEM DATA INITIATIVE TO IMPROVE LOCAL DATA COLLECTING AND PROCESSING SYSTEMS AND FILLING INFORMATION GAPS. FISHERY DATA ARE COLLECTED PRIMARILY BY LOCAL GOVERNMENT AGENCIES AND THEN ACCUMULATED, COMPILED, AND MAINTAINED IN A REGIONAL DATABASE SYSTEM AT THE HONOLULU LABORATORY. MICROCOMPUTER SYSTEMS ARE USED IN EACH OFFICE TO CAPTURE AND COMPUTERIZE THE DATA BEFORE AUTOMATED COPIES OF THE DATABASES ARE SENT TO THE CENTRAL WPACFIN SYSTEM. INFORMATION IS THEN MADE AVAILABLE TO QUALIFIED USERS FOR NUMEROUS REPORTING AND ANALYTICAL PURPOSES.
- C. PRODUCT/SERVICES: THE WPACFIN COORDINATES COMPILATION OF SUMMARY STATISTICS FROM ALL PARTICIPATING AGENCIES AND DISTRIBUTES THEM IN THE SOUTHWEST FISHERIES SCIENCE CENTER ADMINISTRATIVE REPORT SERIES FISHERY STATISTICS OF THE WESTERN PACIFIC. OTHER PRODUCTS INCLUDE AD HOC REPORTS, RESPONSES TO DATA REQUESTS, SUBMISSION OF SUMMARY REPORTS TO VARIOUS FISHERY MANAGEMENT PLAN MONITORING TEAMS, AND ASSISTANCE IN SUBMISSION OF ISLAND MODULES FOR THE ANNUAL PLAN MONITORING TEAM REPORTS ON BOTTOMFISH AND PELAGIC SPECIES.
- D. CLIENTS: USERS INCLUDE THE WESTERN PACIFIC REGIONAL FISHERY MANAGEMENT COUNCIL AND ITS STAFF, SCIENTIFIC AND STATISTICAL COMMITTEE, ADVISORY GROUPS, AND FISHERY MANAGEMENT PLAN MONITORING TEAMS; NMFS EMPLOYEES; PACIFIC ISLAND FISHERIES AGENCIES; UNIVERSITY RESEARCHERS; CONTRACTORS; THE FISHING INDUSTRY; AND INTERNATIONAL ORGANIZATIONS SUCH AS THE SOUTH PACIFIC COMMISSION AND FAO.
- E. CONTRACTS: LESS THAN \$.5K FOR LOCAL COMPUTER REPAIR.

PERSONNEL SCHEDULE

DATE

TIME

PAGE

#	NAME	TITLE	PAY PLAN/GRADE/STEP	% TIME	TASK #
FTP:					
1.	HAMM, DAVID C.	COMPUTER SYSTEMS ANALYST	GS-12/8	25	8L1C1AUW
2.	QUACH, MICHAEL M.C.	COMPUTER PROGRAMMER	GS-9/2	100	8L1C1AUW
3.	KIKKAWA, BERT	FISHERY BIOLOGIST	GS-7/7	100	8L1C1AUW

FMC	REF.	NO.	PAGE
-----	------	-----	------

PMC	REF. NO.	PAGE
SWR	741	4 OF 4

MILESTONE ARRAY

[illegible]

FMC	REF. NO.	PAGE
SWR	742	1 OF 4

TITLE	->	Fishery Data Management			
TASK NUMBERS ->	8L1C2AHM	TASK #1	TASK #2	TASK #3	TASK #4
OBJECT CLASS					
DIRECT LABOR	129.5				TOTAL
PERS. BENEFITS	20.3				129.5
TRAVEL	0.0				20.3
TRANSPORTATION	0.0				0.0
RENT, COMM., UTIL.	1.2				0.0
PRINT/REPROD.	0.0				1.2
CONTRACTS	7.0				0.0
SUPPLIES/MATERIAL	5.4				7.0
EQUIPMENT	2.3				5.4
GRANTS	0.0				2.3
TOTALS	165.7				0.0
FTE (FTP)	3.0				165.7
FTE (OTFTP)	0.6				3.0
					0.6

<u>STRATEGIC PLAN</u>	
GOAL #	OBJ #
All	

<u>VESELS</u>		
# SEA DAYS ALLOC.		
NOAA	CHARTER	FREE

<u>CROSS REFERENCES</u>

APPROVAL SIGNATURE *Edore Bennett* 4/7/92 HQ CONTACT

EXECUTIVE SUMMARY

SWR

742

2 OF 4

TITLE	PRIN. FAC.	FTE	\$K	UNIT LEADER	LINE ITEM NAME
FISHERY DATA MANAGEMENT	HON. LAB.	3.6	165.7	D. HAMM	INFO. ANAL. & DISSEM.

A. PROBLEM STATEMENT/OBJECTIVES: SUPPORT OF THE DAILY DATA ENTRY AND DATA PROCESSING FUNCTIONS OF THE HONOLULU LABORATORY AND ITS SCIENTISTS AND PROGRAMS IS THE PRINCIPLE OBJECTIVE OF THE FISHERY DATA MANAGEMENT PROGRAM (FDMP). MEETING LABORATORY AND NMFS OBJECTIVES FOR RESEARCH AND FISHERIES MANAGEMENT REQUIRES A CONSIDERABLE AMOUNT OF DATA ENTRY, FILE MANAGEMENT, FORMS AND DATA BASE DESIGN, AND DATA PROCESSING SUPPORT, WHICH ARE PRIMARILY PROVIDED BY THIS GROUP. ALL LABORATORY DATA BASES ARE MAINTAINED AND MADE AVAILABLE BY THE FISHERY DATA MANAGEMENT PROGRAM.

B. METHODOLOGY/APPROACH: USING STANDARD MICROCOMPUTER AND MAINFRAME COMPUTER BASED DATA ENTRY, PROCESSING, AND FILE MANAGEMENT TECHNIQUES, FDMP PERSONNEL PERFORM A WIDE RANGE OF DATA PROCESSING FUNCTIONS IN SUPPORT OF THE LABORATORY'S SCIENTISTS, FROM FORMS DESIGN AND DATA ENTRY TO DATA QUALITY CONTROL, REFORMATTING AND ARCHIVING. FDMP MAINTAINS THE LABORATORY'S EXTENSIVE TAPE LIBRARY OF HISTORICAL RESEARCH AND FISHERIES PERFORMANCE DATA BASES, AND MAKES THESE AVAILABLE TO SCIENTISTS IN EASILY USED FORMATS.

C. PRODUCT/SERVICES: AS STATED, FDMP PROVIDES A WIDE RANGE OF SERVICES AND DATA PRODUCTS TO THE LABORATORY STAFF INCLUDING FORMS DESIGN, DATA ENTRY, VALIDATION, AND QUALITY CONTROL, AND DATA ARCHIVAL, REFORMATTING AND RETRIEVAL.

D. CLIENTS: THE PRIMARY USERS OF FDMP SERVICES ARE THE HONOLULU LABORATORY SCIENTISTS AND TECHNICIANS, BUT OTHER LESS FREQUENT USERS INCLUDE OTHER NMFS EMPLOYEES, THE WESTERN PACIFIC REGIONAL FISHERY MANAGEMENT COUNCIL AND ITS STAFF, AND UNIVERSITY RESEARCHERS.

E. CONTRACTS: UNIVERSITY OF HAWAII DATA PROCESSING (\$7K).

PERSONNEL SCHEDULE

SWR

742

3 OF 4

#	NAME	TITLE	PAY PLAN/GRADE/STEP	% TIME	TASK #
FTP:					
1.	HAMM, DAVID C.	COMPUTER SYSTEMS ANALYST	GS-12/8	75	8L1C2AHM
2.	TAGAMI, DARRYL H.	OPER. RESEARCH ANALYST	GS-9/4	100	8L1C2AHM
3.	TSUKANO, LUCILLE	COMPUTER AIDE	GS-6/10	100	8L1C2AHM
4.	KUBA, SALLY	COMPUTER PROGRAMMER	GS-9/6	25	8L1C2AHM
TEMPORARIES:					
1.	TOKITA, CHRISTOPHER	COMPUTER AIDE	GS-3/1	15	8L1C2AHM
2.	YANAGI, DORIS	COMPUTER AIDE	GS-3/1	40	8L1C2AHM

FMC	REF. NO.	PAGE
SWR	742	4 OF 4

MILESTONE ARRAY

MILESTONE AREA			FY 92												FY 93		FY 94	
TASK #	MAE	SEQ	SIGNIFICANT MILESTONE DISCRIPTIONS															
8L1C2AHM	A	1	COORDINATE TRANSFER OF DATA ENTRY AND MANAGEMENT RESPONSIBILITIES FROM ITS.															
	A	2	INVESTIGATE OPTIONS AND REQUIREMENTS FOR DEVELOPING NEW STANDARD PROCESSING AND REPORTING FUNCTIONS.															
	A	3	DEVELOP NEW SOPS FOR FISHERY DATA MANAGEMENT PROGRAM WHERE NECESSARY.															
	A	4	ASSIST HONOLULU LABORATORY SCIENTISTS WITH DESIGN OF FORMS AND DATA MANAGEMENT FOR NEW DATA COLLECTION ACTIVITIES.															
	A	5	OBTAIN DATA FROM HONOLULU LABORATORY SCIENTISTS AND PROCESS TO SPECIFICATIONS.															
	A	6	PERFORM DATA CODING, EDITING, ENTERING AND VERIFYING ACTIVITIES.															
	A	7	PERFORM DATA RETRIEVAL, REFORMATTING, AND ARCHIVING FUNCTIONS.															

NMFS
CURRENT YEAR OPERATING PLAN
FY 1992

DATE

Feb. 5, 1992

FMC

REF. NO.

PAGE

SWR

750

1 OF 5

TITLE		->	PROTECTED SPECIES INVESTIGATION			
TASK NUMBERS ->		8L1A3VW0	8L1A3VW1			
OBJECT CLASS	TASK #1		TASK #2	TASK #3	TASK #4	TOTAL
	MONK SEAL		TURTLE RES			
DIRECT LABOR		228.1	50.7			278.8
PERS. BENEFITS		35.8	7.9			43.7
TRAVEL		0.0	1.5			1.5
TRANSPORTATION		0.0	0.0			0.0
RENT, COMM., UTIL.		0.0	0.0			0.0
PRINT/REPROD.		0.0	0.0			0.0
CONTRACTS		0.0	1.5			1.5
SUPPLIES/MATERIAL		0.0	0.0			0.0
EQUIPMENT		0.0	0.0			0.0
GRANTS		0.0	0.0			0.0
TOTALS		263.9	61.6			325.5
FTE (FTP)		4.0	0.9			4.9
FTE (OTFTP)		0.8	0.4			1.2

4

STRATEGIC PLAN

GOAL # OBJ #

VESSELS
SEA DAYS ALLOC.

0

NOAA

CHARTER

FREE

0

CROSS REFERENCES

APPROVAL SIGNATURE

Radore Lane H

HQ CONTACT

4/7/92

EXECUTIVE SUMMARY

TITLE	PRIN. FAC.	FTE	\$K	UNIT LEADER	LINE ITEM NAME
PROTECTED SPECIES INVEST.	HON. LAB.	6.1	325.5	W. GILMARTIN	RESOURCE INFORMATION

- A. PROBLEM STATEMENT/OBJECTIVES: THIS TASK MONITORS THE ENDANGERED HAWAIIAN MONK SEAL AND THREATENED GREEN TURTLE POPULATIONS IN THE HAWAIIAN ARCHIPELAGO, PERFORMS RESEARCH TO IDENTIFY IMPEDIMENTS TO RECOVERY OF THESE SPECIES, AND EXPERIMENTS WITH RECOVERY ACTIONS DIRECTED AT INCREASING THE POPULATIONS. NOAA FISHERIES IS RESPONSIBLE FOR THESE SPECIES UNDER THE MARINE MAMMAL PROTECTION ACT AND ENDANGERED SPECIES ACT AND THE RESEARCH IS PRIMARILY GUIDED BY THE RESPECTIVE RECOVERY PLANS.
- B. METHODOLOGY/APPROACH: THE PRINCIPAL EFFORT IN THIS TASK WILL BE DOCUMENTATION OF DATA COLLECTED BY FIELD TEAMS IN THE NORTHWESTERN HAWAIIAN ISLANDS. DATA ON SURVIVAL, REPRODUCTION, TAGGING EFFECTS, INJURIES, PUP REHABILITATION, AND POPULATION SIZE AND COMPOSITION WILL BE PUBLISHED. THE PRIMARY GREEN TURTLE NESTING SITE AT FRENCH FRIGATE SHOALS WILL BE MONITORED IN COOPERATION WITH THE US FISH AND WILDLIFE SERVICE. ONE TURTLE FORAGING SITE IN THE MAIN HAWAIIAN ISLANDS WILL BE MONITORED FOR INCIDENCE AND PROGRESSION OF FIBROPAPILOMA DISEASE CURRENTLY IMPACTING THE GREEN TURTLE IN HAWAII.
- C. PRODUCT/SERVICES: POPULATION DATA, IMPEDIMENTS TO RECOVERY WHICH ARE IDENTIFIED, AND RECOVERY METHODOLOGIES ARE SUMMARIZED INTO TECHNICAL REPORTS FOR PUBLICATION. SIGNIFICANT RECOVERY CHANGES ARE APPARENT IN THE KURE ATOLL MONK SEAL POPULATION, WHERE MUCH RECOVERY EFFORT HAS BEEN DIRECTED.
- D. CLIENTS: THE PRIMARY CLIENTS ARE THE NMFS, MARINE MAMMAL COMMISSION, US FISH AND WILDLIFE SERVICE, AND THE RESPECTIVE RECOVERY TEAMS. THE CLIENTS USE THE PRODUCTS TO RECOMMEND AND PLAN FUTURE RESEARCH, INITIATE MANAGEMENT ACTIONS, AND TAKE APPROPRIATE RECOVERY ACTIONS TO ENHANCE THE SPECIES SURVIVAL.
- E. CONTRACTS: TURTLE CAPTURE AND TAGGING (\$1.5K).

PERSONNEL SCHEDULE

#	NAME	TITLE	PAY PLAN/GRADE/STEP	% TIME	TASK #
FTP:					
1.	GILMARTIN, W.	WILDLIFE BIOLOGIST	GM-14	100	8L1A3VW0
2.	HENDERSON, J.	WILDLIFE BIOLOGIST	GS-11/6	100	8L1A3VW0
3.	RAGEN, T.	WILDLIFE BIOLOGIST	GS-12/2	100	8L1A3VW0
4.	BECKER, B.	WILDLIFE BIOLOGIST	GS-7/1	100	8L1A3VW0
5.	BALAZS, G.	WILDLIFE BIOLOGIST	GS-12/3	85	8L1A3VW1
PTP:					
1.	JOHANOS-KAM, T.	WILDLIFE BIOLOGIST	GS-9/2	75	8L1A3VW0
OTFTP:					
1.	MIYA, R.	BIOL. TECHNICIAN	GS-4/1	38	8L1A3VW1

FMC	REF. NO.	PAGE
SWR	750	4 OF 5

MILESTONE ARRAY

TASK #	MAE	SEQ	SIGNIFICANT MILESTONE DISCRIPTIONS	FY 92 93 94							
				1	2	3	4	1	2	1	2
8L1A3VW0	A	1	COMPLETE REPORT ON EFFECTS OF TAGGING ADULT FEMALES AT LAYSAN ISLAND.								
	E	2	CONTRIBUTE BACKGROUND DATA AND PARTICIPATE IN HAWAIIAN MONK SEAL RECOVERY TEAM MEETING.		J						
	E M	3	SUBMIT IMMATURE MONK SEAL SURVIVAL MANUSCRIPT TO JOURNAL.				S				
	E M	4	SUBMIT MOBBING PROBLEM/RESEARCH PLAN TO JOURNAL FOR PUBLICATION.				S				
	E M	5	SUBMIT SUMMARY REPORT ON HEAD START AND PUP REHABILITATION AT KURE ATOLL TO JOURNAL.				A				
	E M	6	SUBMIT MANUSCRIPTS ON WOUNDING OF MONK SEALS TO JOURNAL FOR PUBLICATION.		M		S				
	E M	7	SUBMIT MANUSCRIPT ON METHOD OF TESTOSTERONE SUPPRESSION IN MONK SEALS TO JOURNAL.		F						
	E M	8	SUBMIT MANUSCRIPT ON STATUS OF KURE ATOLL MONK SEAL POPULATION 1990 TO JOURNAL.		M						
	E	9	PROVIDE BACKGROUND INFORMATION AND PARTICIPATE IN MMC MONK SEAL REVIEW AND HAWAIIAN MONK SEAL RECOVERY TEAM MEETING.		J						
8L1A3VW1	A	10	INVESTIGATE DISTRIBUTION AND ABUNDANCE OF GREEN TURTLE AND HAWKS-BILLS IN HAWAII.		X	-	-	X			
	A	11	CONDUCT MONITORING AND TAGGING OF GREEN TURTLES IN MARINE HABITATS OF THE MAIN HAWAIIAN ISLANDS.		X	-	-	-	-	X	

CURRENT YEAR	OPERATING PLAN
1950	1950
1951	1951
1952	1952
1953	1953
1954	1954
1955	1955
1956	1956
1957	1957
1958	1958
1959	1959
1960	1960
1961	1961
1962	1962
1963	1963
1964	1964
1965	1965
1966	1966
1967	1967
1968	1968
1969	1969
1970	1970
1971	1971
1972	1972
1973	1973
1974	1974
1975	1975
1976	1976
1977	1977
1978	1978
1979	1979
1980	1980
1981	1981
1982	1982
1983	1983
1984	1984
1985	1985
1986	1986
1987	1987
1988	1988
1989	1989
1990	1990
1991	1991
1992	1992
1993	1993
1994	1994
1995	1995
1996	1996
1997	1997
1998	1998
1999	1999
2000	2000
2001	2001
2002	2002
2003	2003
2004	2004
2005	2005
2006	2006
2007	2007
2008	2008
2009	2009
2010	2010
2011	2011
2012	2012
2013	2013
2014	2014
2015	2015
2016	2016
2017	2017
2018	2018
2019	2019
2020	2020
2021	2021
2022	2022
2023	2023
2024	2024
2025	2025
2026	2026
2027	2027
2028	2028
2029	2029
2030	2030
2031	2031
2032	2032
2033	2033
2034	2034
2035	2035
2036	2036
2037	2037
2038	2038
2039	2039
2040	2040
2041	2041
2042	2042
2043	2043
2044	2044
2045	2045
2046	2046
2047	2047
2048	2048
2049	2049
2050	2050
2051	2051
2052	2052
2053	2053
2054	2054
2055	2055
2056	2056
2057	2057
2058	2058
2059	2059
2060	2060
2061	2061
2062	2062
2063	2063
2064	2064
2065	2065
2066	2066
2067	2067
2068	2068
2069	2069
2070	2070
2071	2071
2072	2072
2073	2073
2074	2074
2075	2075
2076	2076
2077	2077
2078	2078
2079	2079
2080	2080
2081	2081
2082	2082
2083	2083
2084	2084
2085	2085
2086	2086
2087	2087
2088	2088
2089	2089
2090	2090
2091	2091
2092	2092
2093	2093
2094	2094
2095	2095
2096	2096
2097	2097
2098	2098
2099	2099
2	

FTC	REF. NO.	PAGE
SWR	750	5 OF 5

MILESTONE ARRAY

[illegible]

FMC	REF. NO.	PAGE
SWR	775 775	1 OF 4

TITLE	->	MARINE TURTLE (ADD ON)			
TASK NUMBERS ->	NEW	TASK #1	TASK #2	TASK #3	TASK #4
OBJECT CLASS					
		8LIAHT00			
DIRECT LABOR	54.4				TOTAL
PERS. BENEFITS	8.5				54.4
TRAVEL	10.0				8.5
TRANSPORTATION	0.0				10.0
RENT, COMM., UTIL.	0.0				0.0
PRINT/REPROD.	0.0				0.0
CONTRACTS	106.5				106.5
SUPPLIES/MATERIAL	15.0				15.0
EQUIPMENT	3.0				3.0
GRANTS	27.6*				27.6*
TOTALS	230.0				230.0
FTE (FTP)	0.0				0.0
FTE (OTFTP)	2.4				2.4

STRATEGIC PLAN	
GOAL #	OBJ #
VESSELS	
# SEA DAYS ALLOC.	
NOAA	CHARTER
	FREE
CROSS REFERENCES	

APPROVAL SIGNATURE *Edore Banett* 4/2/92 HQ CONTACT

EXECUTIVE SUMMARY

SWR NEW 2 OF 4

TITLE	PRIN. FAC.	FTE	\$K	UNIT LEADER	LINE ITEM NAME
HAW. MAR. TURTLE RES. PROGRAM	HON. LAB.	2.4	230.0	G. BALAZS	RESOURCE INFORMATION

A. PROBLEM STATEMENT/OBJECTIVES: NMFS IS RESPONSIBLE FOR RESEARCH, MONITORING, AND ACHIEVING BIOLOGICAL RECOVERY OF MARINE TURTLE POPULATIONS LISTED UNDER THE ESA. AN INTERIM RECOVERY PLAN FOR HAWAIIAN SEA TURTLES HAS BEEN COMPLETED BY AN APPOINTED RECOVERY TEAM OF SCIENTISTS. EFFORTS ARE NOW UNDERWAY TO IMPLEMENT THE RESEARCH AND RECOVERY ACTIONS RECOMMENDED IN THIS PLAN. A PRIORITY FOCUS OF THIS WORK IS THE ENIGMATIC TUMOR (FIBROPAPILOMA) DISEASE THAT CONTINUES TO SIGNIFICANTLY AFFECT THE HEALTH AND SURVIVAL OF HAWAII'S GREEN TURTLE (CHELONIA MYDAS). THE CAUSE OF THIS DISEASE, ITS MODE OF TRANSMISSION, AND THE REASON(S) FOR INCREASING INCIDENCE DURING RECENT YEARS ARE UNKNOWN. ADDITIONAL MONITORING AND PATHOLOGY STUDIES NEED TO BE DIRECTED TOWARD THIS PROBLEM TO DEVELOP SOLUTIONS FOR CONTAINMENT.

B. METHODOLOGY/APPROACH: RESEARCH TECHNIQUES INVOLVE TAG AND RECAPTURE OF TURTLES BOTH IN THE SEA AND ON NESTING BEACHES IN ORDER TO OBTAIN ESSENTIAL DATA ON POPULATION SIZE, GROWTH RATES, HEALTH STATUS, MIGRATIONS, NATURAL PREDATION, HUMAN-INDUCED MORTALITY, PRODUCTIVITY AND SURVIVORSHIP. BASIC RESEARCH TOOLS INCLUDE SCUBA AND SKIN DIVING, COOPERATIVE ASSISTANCE OF HAWAIIAN FISHERMEN, AND COOPERATIVE TUMOR DISEASE INVESTIGATIONS WITH SPECIALISTS IN FLORIDA AND ELSEWHERE.

C. PRODUCT/SERVICES: DATA, TECHNICAL REPORTS, AND PUBLICATIONS ARE GENERATED ON THE LIFE HISTORY ECOLOGY, PATHOLOGY, AND POPULATION DYNAMICS OF SEA TURTLES NECESSARY TO ACCOMPLISH BIOLOGICAL RECOVERY AND EFFECTIVE LONGTERM MANAGEMENT OF THE POPULATIONS.

D. CLIENTS: THE PRIMARY CLIENTS ARE THE NMFS, US FISH AND WILDLIFE SERVICE, STATE OF HAWAII PROTECTED SPECIES MANAGERS, NATIONAL PARK SERVICE, AND VARIOUS OTHER PUBLIC AND PRIVATE ENTITIES WITH INTERESTS IN SEA TURTLE RECOVERY AND MANAGEMENT. INITIATE MANAGEMENT ACTIONS.

E. CONTRACTS: TAGGING OF INCIDENTALLY CAPTURED TURTLES (\$15K); RELATIONSHIPS OF VIRUSES TO ETIOLOGY OF TUMORS (\$40K); RELATIONSHIP OF PARASITES TO ETIOLOGY OF TUMORS (\$31.5K); RELATIONSHIP OF TOXIC POLLUTANTS TO ETIOLOGY OF TUMORS (\$15K); RELATIONSHIP OF CLEANING SYMBIOSIS TO ETIOLOGY/CONTROL OF TUMORS (\$5K); SATELLITE TELEMETRY (\$5K).

PERSONNEL SCHEDULE

SWR

NEW

3 OF 4

#	NAME	TITLE	PAY PLAN/GRADE/STEP	% TIME	TASK #
TEMPORARY:					
1.	WINTON, B.	BIOLOGICAL TECH.	GS-5/1	64	
2.	MIYA, R.	BIOLOGICAL TECH.	GS-4/1	62	
3.	TBN	BIOLOGICAL TECH.	GS-6/1	56	
4.	TBN	BIOLOGICAL TECH.	GS-6/1	56	

MILESTONE ARRAY

TASK #	MAE	SEQ	SIGNIFICANT MILESTONE DESCRIPTIONS	FY							
				1	2	3	4	1	2	3	4
NEW	A	1	EXPAND MONITORING AND DISEASE INVESTIGATIONS OF HAWAIIAN GREEN TURTLE AGGREGATIONS WITH TUMORS.								
	E	2	INITIATE CONTRACTS WITH PATHOLOGIST TO INVESTIGATE ETIOLOGIC AGENTS OF VIRUSES AND PARASITES RELEVANT TO TUMOR DISEASE.		X	X	X				
	E	3	INITIATE CONTRACT WITH TOXICOLOGIST TO INVESTIGATE ROLE OF POLLUTANTS IN TUMOR DISEASE.		X						
	A	4	INITIATE CONTRACT WITH ICHTHYOLOGIST TO INVESTIGATE ROLE OF CLEANING SYMBIOSIS IN TUMOR DISEASE.		X						
	A	5	EXPAND INTERAGENCY (USFWS, NPS, SOH) RESEARCH AS OUTLINED IN THE HAWAIIAN HAWKSBILL AND GREEN TURTLE RECOVERY PLANS.		X						
	M	6	DEVELOP REFINED NUMERICAL ESTIMATE AND POPULATION MODEL FOR HAWAIIAN GREEN TURTLE BREEDING COLONY.					X			
	M	7	TECHNICAL REPORT ON VIRUSES IN ETIOLOGIC ROLE OF TUMORS.					X			
	M	8	TECHNICAL REPORT ON PARASITES IN ETIOLOGIC ROLE OF TUMORS.					X			
	M	9	TECHNICAL REPORT ON POLLUTANTS IN ETIOLOGIC ROLE OF TUMOR.					X			
	M	10	TECHNICAL REPORT ON CLEANING SYMBIOSIS IN ETIOLOGIC ROLE OF TUMOR.				X				
	A	11	CONDUCT SATELLITE TELEMETRY OF TUMORED AND NON-TUMORED GREEN TURTLES AT HAWAIIAN BREEDING COLONY.			X	X				

CURRENT YEAR OPERATING PLAN
FY 1992

INTEL 3

SOURCE DOCUMENT

FMC	REF. NO.	PAGE
SWR	800	1 OF 3

TITLE		-> Tiburon Laboratory Administration			
TASK NUMBERS ->		General	Library	Facilities	
OBJECT CLASS		TASK #1	TASK #2	TASK #3	TASK #4
		9WGN40T2	9WGN40T3	9WGN40T4	
DIRECT LABOR		155.4	19.4	36.0	210.8
PERS. BENEFITS		29.9	3.7	6.9	40.5
TRAVEL		2.5			2.5
TRANSPORTATION		.4			.4
RENT, COMM., UTIL.		14.0		23.0	37.0
PRINT/REPROD.		.4			.4
CONTRACTS		3.5	2.5	21.6	27.6
SUPPLIES/MATERIAL		7.0	7.5	14.0	28.5
EQUIPMENT		3.0			3.0
GRANTS					
TOTALS		216.1	33.1	101.5	350.7
FTE (FTP)		5.5		1.0	6.5
FTE (OTFTP)			.8		.8

STRATEGIC PLAN	
GOAL #	OBJ #
MGMT	
VESSELS	
# SEA DAYS ALLOC.	
NOAA	CHARTER
	FREE
CROSS REFERENCES	

APPROVAL SIGNATURE *Ezrae Baneth* 4/7/92 HQ CONTACT

EXECUTIVE SUMMARY

SWR	800	2 OF 3
-----	-----	--------

TITLE	PRIN. FAC.	FTE	\$K	UNIT LEADER	LINE ITEM NAME
Management Fund	Tiburon, CA	7.3	350.7	A. MacCall	Management Fund

- A. PROBLEM STATEMENT/OBJECTIVE: To provide overall management and administration of both human and fiscal resources for the Tiburon Laboratory.
- B. METHODOLOGY/APPROACH: Provide guidance for overall operations and scientific program of Tiburon Laboratory. Maintain and improve internal controls and streamline operating procedures.
- C. PRODUCT/SERVICES: Provide efficient day-to-day administration of the Tiburon Laboratory in areas of procurement, personnel and facility maintenance; flow of information/products to outside agencies and the public.
- D. CLIENTS: Southwest Region, Pacific Fishery Management Council, fishing industry, general public.
- E. CONTRACTS:

PERSONNEL SCHEDULE

SWR

800

3 OF 3

#	NAME	TITLE	PAY PLAN/GRADE/STEP	% TIME	TASK #
1.	MacCall, Alec	Director	GM-15	50	9WGN40T2
2.	Yokota, Issei	Admin. Officer	GS-9/4	100	"
3.	Mavrantonis, Elaine	Secretary	GS-6/7	100	"
4.	Spurgeon, Marie	Admin. Clerk	GS-5/4	100	"
5.	Johnson, Lisa	Clk. Typist	GS-4/2	100	"
6.	Petrattis, Adrienne	Clk. Typist	GS-4/2	100	"
7.	Penn, Gareth	Librarian	GS-7/1	80	9WGN40T3
8.	Munoz, Tony	Maintenance	WG-9/5	100	9WGN40T4

FMC	REF. NO.	PAGE
SWR	811	1 OF 4

TITLE		->		Groundfish Analysis			
TASK NUMBERS ->		TASK #1	TASK #2	TASK #3	TASK #4		
OBJECT CLASS		TASK #1	TASK #2	TASK #3	TASK #4		
		8L1C2AMO				TOTAL	
DIRECT LABOR		321.7				321.7	
PERS. BENEFITS		61.8				61.8	
TRAVEL		9.0				9.0	
TRANSPORTATION		.5				.5	
RENT, COMM., UTIL.		.5				.5	
PRINT/REPROD.		.5				.5	
CONTRACTS							
SUPPLIES/MATERIAL		10.5				10.5	
EQUIPMENT		4.0				4.0	
GRANTS							
TOTALS		408.5				408.5	
FTE (FTP)		7.3				7.3	
FTE (OTFTP)		0.2				0.2	

STRATEGIC PLAN

GOAL #

OBJ #

121, 2, 3

21, 2, 4

31, 2, 3

VESELS

SEA DAYS ALLOC.

NOAA

CHARTER

FREE

56

CROSS REFERENCES

812, 813

APPROVAL SIGNATURE

Robert Barrett

4/7/92

HQ CONTACT

EXECUTIVE SUMMARY

SWR

811

2 OF 4

TITLE	PRIN. FAC.	FTE	\$K	UNIT LEADER	LINE ITEM NAME
Groundfish Analysis	Tiburón, CA	7.5	408.5	W. Lenarz	Info.Anal.&Dissemination

A. **PROBLEM STATEMENT/OBJECTIVE:** This Task provides information needed to implement the groundfish plan of the Pacific Fishery Management Council. The requirements are defined by the Groundfish Team and S&S Committee of the Council and through consultation with members of the scientific and fishing industry communities. Results of the work are provided to the Council to aid it in plan implementation decisions.

B. **METHODOLOGY/APPROACH:** Fishery dependent data are collected by a cooperative port sampling program with the state of California. Adults of these species are aged as part of a coastwide cooperative program. Fishery independent data are collected on the recruitment of rockfish using a NOAA vessel, and on spawning biomass of rockfish using NOAA and chartered vessels. Stock assessments and other analytical studies are done using the above data, and the PacFIN database and fishery independent data collected by the NWFSC and AFSC. Simulation modeling is often used to evaluate management strategies. Staff members are on the Groundfish Management Team and S&S Committee and work closely with the staff of the NWFSC and AFSC and other agencies

C. **PRODUCT/SERVICES:** Stock assessments are incorporated in the Council's annual Stock Status document. (Technical evaluation of potential impacts of proposed regulations are incorporated in Groundfish Team documents.) In addition the staff regularly publishes in peer-reviewed journals and administrative reports and presents talks at scientific meetings.

D. **CLIENTS:** The main clients are the Pacific Fishery Management Council and its entities. Several members of the staff often respond to requests for information by the fishing industry and other scientists.

E. **CONTRACTS:**

NOAA FISHERIES
CURRENT YEAR OPERATING PLAN

PERSONNEL SCHEDULE

FMC		REF. NO.	PAGE
SWR		811	3 OF 4

#	NAME	TITLE	PAY PLAN/GRADE/STEP	% TIME	TASK #
1.	Lenarz, William	Supv. Fish. Bio. Res.	GM-14	100	8L1C2AMO
2.	Ralston, Stephen	Supv. Fish. Bio. Res.	GM-13	100	"
3.	Bence, James	Math Statistician	GM-12/2	100	"
4.	Rogers, Jean	Fish. Bio.	GS-11/1	100	"
5.	Woodbury, David	Fish. Bio.	GS-9/1	100	"
6.	Pearson, Donald	Fish. Bio.	GS-9/1	100	"
7.	Sakuma, Keith	Co-op & Fish. Bio.	GS-5/1 and GS-7/1	68	"
8.	Roberts, Dale	Computer Specialist	GS-5/1	100	"
9.	Minton, Loretta	Bio. Aide	GS-2/1	5	"

CURRENT YEAR OPERATING PLAN

FMC	REF. NO.	PAGE
SWR	811	4 OF 4

MILESTONE ARRAY

			FY 92				93	94
TASK #	MAE	SEQ	SIGNIFICANT MILESTONE DESCRIPTIONS					
8L1C2AMO	A	1	1	2	3	4	1	2
"	A	2	X	X	X	X	X	X
"	A	3	X	X	X	X	X	X
"	M	4	N					
"	M	5	M					
"	M	6		A				
"	M	7		J				
"	E	8				D		
"	A	9	X	X	X			

CURRENT YEAR OPERATING PLAN

EXECUTIVE SUMMARY

FMC	REF. NO.	PAGE
SWR	812	2 OF 4

TITLE	PRIN. FAC.	FTE	\$K	UNIT LEADER	LINE ITEM NAME
Groundfish Communities	Tiburon, CA	6.0	332.2	E. Hobson	Resource Information

- A. **PROBLEM STATEMENT/OBJECTIVE:** Task identifies effects of natural change in the marine environment on the distribution, abundance and relative year class strength of groundfish species. Knowledge and understanding of those effects is required before the effects of human activities on these species or their environment can be recognized.
- B. **METHODOLOGY/APPROACH:** Effects of environmental change are measured at established sites near shore and on the continental shelf and slope. Emphasis is on interspecific relations, especially between predator and prey, and on relative success of recruitment. Regular assessments are made with a variety of sampling devices and by visual observations where feasible. Trophic relations are determined by visual observations and study of diet, with results undergoing rigorous peer review.
- C. **PRODUCT/SERVICES:** Major products are published papers, reports and stock assessment documents presented to the Pacific Fishery Management Council.
- D. **CLIENTS:** Clients include fishery managers, Pacific Fishery Management Council, researchers and others with need to understand, or interest in, the dynamics of marine ecosystems, particularly those of the U.S. Pacific Coast.
- E. **CONTRACTS:** None

PERSONNEL SCHEDULE

#	NAME	TITLE	PAY PLAN/GRADE/STEP	% TIME	TASK #
1.	Hobson, Edmund	Supv. Fish. Bio. Res.	GM-14	100	8L1A3APO
2.	Chess, James	Fish. Bio. Res.	GS-12/7	100	"
3.	Adams, Peter	Fish. Bio. Res.	GS-12/6	100	"
4.	Howard, Daniel	Fish. Bio.	GS-9/2	100	"
5.	Silberberg, Kelly	Fish. Bio.	GS-7/1	100	"
6.	Laidig, Thomas	Fish. Bio.	GS-7/1	100	"

FMC	REF. NO.	PAGE
SWR	813	1 OF 4

TITLE	->	Groundfish Physiological Ecology			
TASK NUMBERS ->		TASK #1	TASK #2	TASK #3	TASK #4
OBJECT CLASS		TASK #1	TASK #2	TASK #3	TASK #4
		8L1A3ATO			
DIRECT LABOR		279.3			
PERS. BENEFITS		53.6			
TRAVEL		4.5			
TRANSPORTATION		.5			
RENT, COMM., UTIL.					
PRINT/REPROD.		1.5			
CONTRACTS		8.4			
SUPPLIES/MATERIAL		5.2			
EQUIPMENT		5.0			
GRANTS					
TOTALS		358.0			
FTE (FTP)		6.0			
FTE (OTFTP)					

TOTAL

279.3

53.6

4.5

.5

1.5

8.4

5.2

5.0

358.0

6.0

APPROVAL SIGNATURE *Edouard Banett* 4/1/92 HQ CONTACT

STRATEGIC PLAN

GOAL # 3
OBJ # 1, 2

VESSELS
SEA DAYS ALLOC.

NOAA	CHARTER	FREE
	4	3

CROSS REFERENCES
811, 812

CURRENT YEAR OPERATING PLAN

FMC	REF. NO.	PAGE
SWR	813	2 OF 4

EXECUTIVE SUMMARY

TITLE	PRIN. FAC.	FTE	\$K	UNIT LEADER	LINE ITEM NAME
Physiological Ecology	Tiburon, CA	6.0	358.0	J. Whipple	Resource Information

A. **PROBLEM STATEMENT/OBJECTIVE:** Managers need to understand how natural environmental factors and management can affect fish stocks. This Task examines functional relationships between fishes and their host environments. Research consists of multidisciplinary, integrated studies designed to determine the inherent and environmental factors most affecting health (condition) growth, behavior and reproduction in important groundfish populations. The major goal is to understand, describe and explain how fish respond to changes in habitats and the implications these interactions have for management. The specific goal is to contribute to the assessment of groundfish stocks and to forecast recruitment several years in advance.

B. **METHODOLOGY/APPROACH:** Research includes comprehensive examinations and analyses of adult and juvenile specimens collected from commercial and sport groundfish fleets, from chartered fishing vessels and cruises aboard the NOAA ship, David Starr Jordan. Efforts are focused on important rockfish species: yellowtail, bocaccio and widow rockfish (Sebastes flavidus, S. paucispinus, S. entomelas). Earlier emphasis was on rockfish off Cordell Bank, CA. Later studies are being expanded to compare Calif. rockfish to populations off the Northwest Coast. Scientific information from analyses of condition and supportive laboratory experiments is used to determine the most important characteristics of condition and reproduction to form measures of health and effective growth & fecundity. Studies include examinations of reproduction, gametogenesis, development, proximate analysis of tissues, estimates of disease and parasite damage, and determination of lipid cycles and other serum nutrients. Results of the research are combined with oceanographic condition, reproductive variability and to place the species within the context of their habitats.

C. **PRODUCT/SERVICES:** Products of this research include written scientific reports and manuscripts, presentations at meetings, conferences, lectures and seminars. The products will contribute to the efficiency and long-term variability of the fishery. Secondary outcomes are expected to provide management an efficient means to monitor the health of different stocks, year class production and to determine factors producing poor fishery products.

D. **CLIENTS:** Primary user of the research products are managers of the PFMC and other elements concerned with the groundfish fishery. Other users include researchers and fishery managers who need to know how fish growth, condition, survival and reproduction is affected by environmental and management factors.

E. **CONTRACTS:** \$4.0K for histological analyses. \$4.4K for vessel charters to collect rockfish samples.

PERSONNEL SCHEDULE

#	NAME	TITLE	PAY PLAN/GRADE/STEP	% TIME	TASK #
1.	Whipple, Jeannette	Supv. Fish. Bio. Res.	GM-14	100	8L1A3ATO
2.	Eldridge, Maxwell	Supv. Fish. Bio. Res.	GM-13	100	"
3.	MacFarlane, R. Bruce	Fish. Bio. Res.	GS-12/8	100	"
4.	Bowers, Michael	Fish. Bio.	GS-9/3	100	"
5.	Jarvis, Brian	Bio. Tech.	GS-9/7	100	"
6.	Norton, Elizabeth	Fish. Bio.	GS-7/1	100	"

TITLE	->	Fishery Management Advisories			
TASK NUMBERS ->					
OBJECT CLASS	TASK #1	TASK #2	TASK #3	TASK #4	TOTAL
	8L1C3A00				
DIRECT LABOR	216.6				216.6
PERS. BENEFITS	41.6				41.6
TRAVEL	9.0				9.0
TRANSPORTATION	.5				.5
RENT, COMM., UTIL.	3.5				3.5
PRINT/REPROD.	10.0				10.0
CONTRACTS	10.0				10.0
SUPPLIES/MATERIAL	13.6				13.6
EQUIPMENT	10.0				10.0
GRANTS					
TOTALS	314.8				314.8
FTE (FTP)	3.5				3.5
FTE (OTFTP)					

APPROVAL SIGNATURE

Salore Barrett

HQ CONTACT

4/7/92

STRATEGIC PLAN

GOAL #	OBJ #
1	2
2	1, 2, 4
3	1, 2, 3
5	2
6	1, 2
7	2

VESELS
SEA DAYS ALLOC.

NOAA CHARTER FREE

11

CROSS REFERENCES

EXECUTIVE SUMMARY

TITLE	PRIN. FAC.	FTE	\$K	UNIT LEADER	LINE ITEM NAME
Fishery Mgmt. Advisories	Tiburon, CA	3.5	314.8	A. MacCall	Info.Anal.&Dissemination

A. PROBLEM STATEMENT/OBJECTIVE: This Task provides scientific expertise, analysis and information on a broad range of fishery subjects relevant to fisheries off the west coast of the U. S., especially off central and northern California where the Tiburon Laboratory is located. Subject areas include 1) groundfish and their fisheries, 2) fisheries other than groundfish, such as salmon, 3) fisheries and habitat in San Francisco Bay and the Gulf of the Farallones, especially with regard to effects of dredge spoil disposal, and historical disposal of radioactive waste, 4) improvement of understanding and analytic methodologies for fishery and ecosystem management.

B. METHODOLOGY/APPROACH: This Task is multidisciplinary, including quantitative fishery and ecosystem analysis, economic analysis and ADP information management. This Task draws on and integrates information from other Tasks at the Tiburon Laboratory as well as relevant knowledge, studies and data from outside agencies. Members of this Task participate extensively on advisory, committees and otherwise maintain close contact and liaison with the clients described below.

C. PRODUCT/SERVICES: Public testimony, reviews and advice to government agencies, industry and interest groups regarding fisheries and habitat. Also, the staff publishes in peer-reviewed journals and administrative reports, and presents talks at scientific meetings.

D. CLIENTS: Federal government agencies such as the Pacific Fishery Management Council (PFMC) and its entities, the Klamath River Fishery Council, Pacific Fishery Information Network (PacFIN), California Sea Grant, the Environmental Protection Agency, the U.S. Army Corps of Engineers, and the U.S. Navy. Other agencies include the California Resources Agency, State Lands Commission, and local agencies in the San Francisco area. Recreational and commercial fishing industries, conservation and other interest groups.

E. CONTRACTS:

NOAA FISHERIES
CURRENT YEAR OPERATING PLAN

PERSONNEL SCHEDULE

FMC	REF. NO.	PAGE
SWR	821	3 OF 4

#	NAME	TITLE	PAY PLAN/GRADE/STEP	% TIME	TASK #
1.	MacCall, Alec	Director	GM-15	50	8L1C3A00
2.	Kope, Robert	Fish. Bio. Res.	GS-12/2	100	"
3.	Wiley, Nancy	Comp. Prog. Analyst	GS-11/8	100	"
4.	Abramson, Norman	IPA	GM-15	100	"

NMFS
CURRENT YEAR OPERATING PLAN
FY 1992

DATE	March 12, 1992		
FMC	REF. NO.	PAGE	
SWR	901	1 OF 6	

TITLE	->	Pacific Fisheries Environmental Group			
TASK NUMBERS ->	8L1C5BT0	8RIDCEOS			
OBJECT CLASS	TASK #1	TASK #2	TASK #3	TASK #4	TOTAL
DIRECT LABOR	445.7	26.8			472.5
PERS. BENEFITS	85.6	5.1			90.7
TRAVEL	8.0	8.7			16.7
TRANSPORTATION					
RENT, COMM., UTIL.	33.1				33.1
PRINT/REPROD.	6.0				6.0
CONTRACTS	4.0	82.8			86.8
SUPPLIES/MATERIAL	15.3	2.0			17.3
EQUIPMENT	0.0				0.0
GRANTS					
TOTALS	597.7	125.4			723.1
FTE (FTP)	9.1				9.1
FTE (OTFTP)	1.7				1.7

<u>STRATEGIC PLAN</u>	
<u>GOAL #</u>	<u>OBJ #</u>

VESSELS		
# SEA DAYS ALLOC.		
NOAA	CHARTER	FREE

CROSS REFERENCES

APPROVAL SIGNATURE *Ezrae Barrett* 4/7/92 HQ CONTACT

CURRENT YEAR OPERATING PLAN

EXECUTIVE SUMMARY

FMC	REF. NO.	PAGE
SWR	901	2 of 6

TITLE	PRIN. FAC.	FTE	\$K	UNIT LEADER	LINE ITEM NAME
Fishery/Environmental Climatology Modelling and Forecasting	Monterey, CA			A. Bakun	Info. Analysis and Dissemination

- A. PROBLEM STATEMENT/OBJECTIVE: Natural variability interacts with effects of human actions in controlling the population dynamics of fishery resource populations. The Objective is to develop effective methodologies for incorporating information on natural environmental and biological variability in fisheries scientific procedures and activities.
- B. METHODOLOGY/APPROACH: An integrated approach incorporates the following: I. Development of environmental index time series (i.e., research, calibration, verification, production, distribution, update, and consultative interpretation); II. Diagnostic studies of ecological anomalies (El Nino, etc., fishery resource connotations); III. Identification of environmental-biological causal linkages (comparative studies, exploratory data analysis, empirical modelling, etc.); IV. Development of environmental dependent fishery modelling methodology; V. Development of appropriate biological time series for calibration and verification.
- C. PRODUCT/SERVICES: Research papers, technical reports, specialized data products and analyses, consultative and interpretive service, standard data products and routine updates.
- D. CLIENTS: NMFS fisheries research projects, various NOAA laboratories, other federal, state, and university research projects, federal and state regulatory agencies.
- E. CONTRACTS: The task uses U.S.Navy computer facilities at FNOC in Monterey (approx. \$5K).

NOAA FISHERIES
CURRENT YEAR OPERATING PLAN

PERSONNEL SCHEDULE

FMC	REF. NO.	PAGE
SWR	901	3 of 6

#	NAME	TITLE	PAY PLAN/GRADE/STEP	% TIME	TASK #
BAKUN, A.		Supervisory Oceanographer	GM 1360/15/00	100	8LIC5BT0
HUSBY, D.		Oceanographer	GM 1360/13/00	100	"
MENDELSSOHN, R.		Operations Research Analyst	GM 1515/14/00	100	"
NORTON, J.		Oceanographer	GS 1360/12/05	100	"
PARRISH, R.		Fish Biologist Research	GM 0482/14/00	100	"
SCHWING, F.		Oceanographer	GS 1360/13/02	100	"
TROIAN, R.		Admin. Support Assist.	GS 303/07/07	100	"
YOKLAVICH, M.		Fish Biologist Research	GS 0482/11/02	100	"
MASON, J.		Fish Biologist Research	GS 0482/07/02	50	"
NICHOLS, T.		Statistician Assist.	GS 1531/05/03	60	"
DANIEL, C.		Temporary Employees:			
CURTIS, C.		Admin. Support Clerk	GS 303/05/01	75	"
		Computer Program. Analyst	GS 0334/11/01	100	8R1DCE0S

NOAA FISHERIES
CURRENT YEAR OPERATING PLAN

FMC	REF. NO.	PAGE
SWR	901	4 of 6

MILESTONE ARRAY

MILESTONE ARRAY				SIGNIFICANT MILESTONE DESCRIPTIONS												FY 92				93	94	
TASK #	MAE	SEQ													1	2	3	4	1	2	1	2
8L1C5BT0	A	1	Routine monthly update of standard PFEG products and data bases												x							x
	A	2	Development of U.S. West Coast shore station data base.												x							x
	A	3	Production of data series to support CEOS project												x							x
	E	4	Tech. Memoranda of hydrographic data for groundfish surveys (with Tiburon). 1988 (Mar '92), 1990 (Sept. 92)												M	S						
	M	5	Paper on evolution of upwelling off Año Nuevo as a model for west coast upwelling centers												D							
	M	6	Completion of manuscript on relationship of timing of spring transition and groundfish recruitment/abundance														J					
	A	7	Observational and theoretical investigation of mean and time-varying meso-scale circulation off central California, and its influence on groundfish recruitment success (with Tiburon)												x							x
	E	8	Preliminary Report on the study of circulation in the Gulf of the Farallones (with EPA, US Navy, USGS).														J					
	A	9	California Current anomaly diagnostic studies -- collaboration with Klingbeil (CF&G) on summer 1990 warm anomaly/tropical species occurrences.												x							
	M	10	Completion of CalCOFI Atlas on the distributions of anchovy and sardine eggs and larvae in relation to environmental factors (S. Hernandez, CIB, La Paz and R. Parrish)														J					
	M	11	Completion of manuscript. A spacial analysis of the North Pacific albacore fisheries. (Jan '92)												J							

FORM 4

FMC	REF. NO.	PAGE
SWR	901	6 of 6

MILESTONE ARRAY

[illegible]

FMC	REF. NO.	PAGE
SWC	952	1 OF 4

TITLE	->	Multispecies Data Coll. and Evaluation			
TASK NUMBERS ->	8N3A3OW3	TASK #1	TASK #2	TASK #3	TASK #4
OBJECT CLASS					
DIRECT LABOR	10.9				TOTAL
PERS. BENEFITS	2.1				10.9
TRAVEL	1.0				2.1
TRANSPORTATION	0.0				1.0
RENT, COMM., UTIL.	1.0				0.0
PRINT/REPROD.	2.0				1.0
CONTRACTS	4.0				2.0
SUPPLIES/MATERIAL	2.0				4.0
EQUIPMENT	2.0				2.0
GRANTS	0.0				2.0
TOTALS	25.0				0.0
FTE (FTP)					25.0
FTE (OTFTP)	0.5				0.5

STRATEGIC PLAN
GOAL # OBJ #

VESSELS		
# SEA DAYS ALLOC.		
NOAA	CHARTER	FREE

CROSS REFERENCES

APPROVAL SIGNATURE *Spore Sane tt* HQ CONTACT

EXECUTIVE SUMMARY

FMC	REF NO.	AGE
SWC	952	2 OF 4

TITLE	PRIN. FAC.	FTE	\$K	UNIT LEADER	LINE ITEM NAME
	La Jolla	0.5	25.0	A. Coan	Info. Analysis & Dissem.

A. PROBLEM STATEMENT/OBJECTIVE: This task will recover historical logbook and market records for the California gillnet fisheries; create a computer data base of the records; and make the data (catch, effort, sizes of fish, etc.) available to scientists responsible for assessing the condition of the resource and to administrators responsible for conservation of the resource.

B. METHODOLOGY/APPROACH: California Gillnet. Work will be undertaken in two parts. The first will be to completely key punch and edit drift gillnet data (from logbooks) for five seasons: 1982-83, 1983-84, 1984-85, 1986-87, 1987-88; and set gillnet (from logbooks) data for four seasons: 1982, 1983, 1985 and 1987. The second part will be to enter data on market samples of landed fish for 1981 to 1991, and cross reference these samples with the logbook data. These activities will be accomplished by assigning an SWFSC employee to CF&G, Long Beach where the confidential logbooks are located. Processing techniques that have been developed by the SWFSC will be employed. Edits will be performed manually and with computer edit software. The data will be processed on IBM compatible micro-computers. Work for the first part is expected to be completed July 1, 1992, and the second phase, by July 1, 1993.

C. PRODUCTS/SERVICES: All recovered data will be processed and made available on IBM compatible micro-computer files. Files will include: California drift gillnet logbook data for 1982-88, California setnet logbook data for 1982-87, California market sampling data for 1981-91.

D. CLIENTS: Data bases will be made available to scientists responsible for assessing the condition of the resource and to administrators responsible for conservation of the resource.

E. CONTRACTS: Software - 1.5 GSA
Keypunch - 1.0 Private

PERSONNEL SCHEDULE

FMC	REF. NO.	PAGE
SWC	952	3 OF 4

#	NAME	TITLE	PAY PLAN/GRADE/STEP	% TIME	TASK #
Vacant		Biological Technician	GS6/1	50	8N3A3OW3

FMC	REF. NO.	PAGE
SWC	952	4 OF 4

MILESTONE ARRAY

[illegible]

FMC	REF. NO.	PAGE
SWC	955	1 OF 4

TITLE	->	Multispecies Data Coll. and Evaluation			
TASK NUMBERS ->	8L1B2CTT				
OBJECT CLASS	TASK #1	TASK #2	TASK #3	TASK #4	TOTAL
DIRECT LABOR	36.2				36.2
PERS. BENEFITS	6.9				6.9
TRAVEL	0.0				0.0
TRANSPORTATION	1.0				1.0
RENT, COMM., UTIL.	0.0				0.0
PRINT/REPROD.	0.0				0.0
CONTRACTS	7.0				7.0
SUPPLIES/MATERIAL	1.9				1.9
EQUIPMENT	0.0				0.0
GRANTS	0.0				0.0
TOTALS	53.0				53.0
FTE (FTP)					
FTE (OTFTP)	2.0				2.0

STRATEGIC PLAN	
GOAL #	OBJ #

VESSELS # SEA DAYS ALLOC.		
NOAA	CHARTER	FREE

CROSS REFERENCES

Spidre Bancett

HQ CONTACT

APPROVAL SIGNATURE

EXECUTIVE SUMMARY

FMC	REF. NO.	PAGE
SWC	955	2 OF 4

TITLE	PRIN. FAC.	FTE	\$K	UNIT LEADER	LINE ITEM NAME
South Pacific Tuna Treaty	La Jolla	2.0	53.0	A. Coan	Info. Analysis & Dissem.

A. PROBLEM STATEMENT/OBJECTIVE: Logbook and catch data are collected from U.S. purse seiners fishing for tunas under the South Pacific Regional Tuna Treaty (in effect since June 15, 1988), and submitted to Forum Fisheries Agency, Solomon Islands as required. The submission of computer compatible data is done by the SWC on a quarterly schedule. This task is responsible for processing the logbook and catch data into computerized form, and archiving the results. This task is also responsible for maintaining state-of-the-art quality control, data processing and archival systems to process the data.

B. METHODOLOGY/APPROACH: This task makes use of inhouse expertise to process data collected under the Treaty. Computerized edit and manual edit procedures are developed and maintained to assure quality of the data. Data systems are developed using up-to-date standardized data base systems such as dBase and data are archived in these systems according to established procedures. The task also uses statistical methods to establish and maintain the data collection program. The data systems are developed considering future use of these data in ecological studies in the area.

C. PRODUCTS/SERVICES: Principal products of this task are software, data bases and data collection systems in support of the Treaty. This task provides annual summaries and analyses of data for use in fishery evaluations. The data, and data systems are also submitted quarterly to the Forum Fisheries Agency ad a treaty requirement.

D. CLIENTS: Products and services produced by this task are made available for use by other SWC and SWR tasks. Computerized data are submitted to the Forum Fisheries Agency on a quarterly schedule.

E. CONTRACTS: Key Punch - Various private companies
Microfilming - Various private companies

CURRENT YEAR OPERATING PLAN

FMC	REF. NO.	PAGE
SWC	955	3 OF 4

PERSONNEL SCHEDULE

#	NAME	TITLE	PAY PLAN/GRADE/STEP	% TIME	TASK #
J. Childers vacant		Biological Technician Biological Technician	GS6/2 GS6/1	100 100	8L1B2CTT 8L1B2CTT

MILESTONE ARRAY

[illegible]

NMFS
CURRENT YEAR OPERATING PLAN
FY 1992

DATE	Feb. 5, 1992	
FMC	REF. NO.	PAGE
SWR	957	1 OF 4

TITLE		-->		PROTECTED SPECIES INVESTIGATION			
TASK NUMBERS -->		8 L1AMS00					
OBJECT CLASS	TASK #1	TASK #2	TASK #3	TASK #4	TOTAL		
	MONITORING	MOBBING	PUP REHAB	HABITAT			
DIRECT LABOR	120.6	16.0	10.1	54.3	201.0		
PERS. BENEFITS	16.1	2.1	1.3	7.3	26.8		
TRAVEL	5.7	2.0	0.0	0.0	11.7		
TRANSPORTATION	5.0	5.0	0.0	0.0	10.0		
RENT, COMM., UTIL.	8.0	2.0	0.0	0.0	10.0		
PRINT/REPROD.	3.0	2.0	0.0	0.0	5.0		
CONTRACTS	13.0	10.0	23.6	0.0	46.6		
SUPPLIES/MATERIAL	61.1	6.5	5.8	8.0	81.4		
EQUIPMENT	12.4	11.9	0.0	27.5	51.8		
GRANTS	31.7*	8.0*	5.0*	16.0*	60.7*		
TOTALS	276.6	65.5	47.8	115.1	506.0		
FTE (FTP)	0.0	0.0	0.0	0.0	0.0		
FTE (OTFTP)	4.9	1.0	0.6	2.0	7.9		

STRATEGIC PLAN

GOAL # OBJ #

VESSELS

SEA DAYS ALLOC.

24

NOAA CHARTER FREE

24

CROSS REFERENCES

APPROVAL SIGNATURE *John Rave H* TAX *4/2/92* HQ CONTACT

CURRENT YEAR OPERATING PLAN

EXECUTIVE SUMMARY

FMC	REF. NO.	PAGE
SWR	957	2 OF 4

TITLE	PRIN. FAC.	FTE	\$K	UNIT LEADER	LINE ITEM NAME
MAR. MAMMALS RESEARCH PROG.	HON. LAB.	7.85	506.0	W. GILMARTIN	RESOURCE INFORMATION

- A. PROBLEM STATEMENT/OBJECTIVES: THIS TASK MONITORS AND PERFORMS RECOVERY ORIENTED RESEARCH ON THE ENDANGERED HAWAIIAN MONK SEAL IN THE NORTHWESTERN HAWAIIAN ISLANDS. IMPEDIMENTS TO RECOVERY ARE IDENTIFIED AND EXPERIMENTS WITH RECOVERY ACTIONS ARE PERFORMED. NMFS IS RESPONSIBLE FOR THIS SPECIES UNDER THE MARINE MAMMAL PROTECTION ACT AND ENDANGERED SPECIES ACT AND THE RESEARCH IS PRIMARILY GUIDED BY THE MONK SEAL RECOVERY PLAN AND THE RECOVERY TEAM.
- B. METHODOLOGY/APPROACH: THE PRINCIPAL RESEARCH IN THIS TASK IS PERFORMED BY FIELD TEAMS IN THE NORTHWESTERN HAWAIIAN ISLANDS. FLIPPER TAGS ARE APPLIED TO COLLECT DATA ON SURVIVAL, REPRODUCTION, GROWTH RATE, MOVEMENTS, AND POPULATION SIZE AND COMPOSITION. SOME MONK SEAL PUPS ARE COLLECTED FOR REHABILITATION TO ENHANCE SURVIVAL; THESE SEALS WILL BE RELEASED AT MIDWAY ISLANDS. A PILOT PROJECT DIRECTED AT CONTROL ENVIRONMENT OF THE MALE MOBBING PROBLEM WILL OCCUR AT LAYSAN ISLAND. FORAGING RESEARCH WILL BE CONDUCTED AND A PILOT SATELLITE TAGGING PROJECT WILL BE CONDUCTED TO EVALUATE THESE INSTRUMENTS FOR ASSESSING MONK SEAL MOVEMENT PATTERN.
- C. PRODUCT/SERVICES: POPULATION DATA, IMPEDIMENTS TO RECOVERY WHICH ARE IDENTIFIED, AND RECOVERY METHODOLOGIES, AND OTHER FINDINGS ARE SUMMARIZED INTO TECHNICAL REPORTS FOR PUBLICATION. RESULTS OF THE MOBBING AND SATELLITE PILOT PROJECTS WILL DIRECT FUTURE RESEARCH IN THESE AREAS.
- D. CLIENTS: THE PRIMARY CLIENTS ARE THE NMFS, MARINE MAMMAL COMMISSION, US FISH AND WILDLIFE SERVICE, AND THE RESPECTIVE RECOVERY TEAMS. THE CLIENTS USE THE PRODUCTS TO RECOMMEND AND PLAN FUTURE RESEARCH, INITIATE MANAGEMENT ACTIONS, AND TAKE APPROPRIATE RECOVERY ACTIONS TO ENHANCE THE SPECIES SURVIVAL.
- E. CONTRACTS: ANALYSIS OF DECAPEPTYL EFFECTS (\$5K), VETERINARY CARE (\$8.0K), AIRCRAFT CHARTER (\$8.6K), SHIP CHARTER (\$15.0K), POPULATION ANALYSIS (\$5.0K), AND SATELLITE TRACKING DATA (\$5.0K).

CURRENT YEAR OPERATING PLAN

NO. 1 1981-1982

FMC	REF. NO.	PAGE
SWR	957	3 OF 4

PERSONNEL SCHEDULE

#	NAME	TITLE	PAY PLAN/GRADE/STEP	% TIME	TASK #
TEMPORARIES:					
1.	SWENSEN, HENRY J.	COMPUTER PROGRAMMER	GS-7/1	100	8L1AMS00
2.	HIRUKI, LISA M.	WILDLIFE BIOLOGIST	GS-7/1	90	8L1AMS00
3.	CRAIG, MITCHELL P.	WILDLIFE BIOLOGIST	GS-7/1	100	8L1AMS00
4.	O'BRIEN, KRISTEN E.	BIOLOGICAL TECH.	GS-5/1	100	8L1AMS00
5.	SLOAN, AMY C.	BIOL. AID, WILDLIFE	GS-4/1	65	8L1AMS00
6.	TBN	BIOL. AID, WILDLIFE	GS-4/1	50	8L1AMS00
7.	TBN	BIOL. AID, WILDLIFE	GS-4/1	50	8L1AMS00
8.	TBN	BIOL. AID, WILDLIFE	GS-4/1	50	8L1AMS00
9.	TBN	BIOL. AID, WILDLIFE	GS-4/1	50	8L1AMS00
10.	TBN	BIOL. AID, WILDLIFE	GS-4/1	50	8L1AMS00
11.	TBN	BIOL. AID, WILDLIFE	GS-4/1	40	8L1AMS00
12.	TBN	BIOL. AID, WILDLIFE	GS-4/1	40	8L1AMS00

	CURRENT	YEAR	OPERATING	PLAN
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
31				
32				
33				
34				
35				
36				
37				
38				
39				
40				
41				
42				
43				
44				
45				
46				
47				
48				
49				
50				
51				
52				
53				
54				
55				
56				
57				
58				
59				
60				
61				
62				
63				
64				
65				
66				
67				
68				
69				
70				
71				
72				
73				
74				
75				
76				
77				
78				
79				
80				
81				
82				
83				
84				
85				
86				
87				
88				
89				
90				
91				
92				
93				
94				
95				
96				
97				
98				
99				
100				

NOAA FISHERIES CURRENT YEAR OPERATING PLAN				FMC	REF. NO.	PAGE
				SWR	957	4 OF 4
MILESTONE ARRAY						
TASK #	MAE	SEQ	SIGNIFICANT MILESTONE DISCRIPTIONS	FY 92	93	94
8LLAMS00	A	1	CONDUCT UNDERSIZED FEMALE PUPS AT FRENCH FRIGATE SHOALS FOR REHABILITATION.	1	2	2
	E	2	RELEASE 1991 REHABILITATED PUPS AT KURE ATOLL OR MIDWAY ISLANDS.		A	A
	A	3	CONDUCT FULL POPULATION MONITORING OF 5 MAJOR BREEDING POPULATIONS.	M	-	S
	A	4	INITIATE PIT-TAGGING OF ALL NON-TAGGED ANIMALS IN POPULATION.		M	S
	A	5	INITIATE FIELD RESEARCH TO EVALUATE TESTOSTERONE-SUPPRESSING DRUG ON MALE MOBBING BEHAVIOR AT LAYSAN ISLAND.	M	-	J
	A	6	INITIATE FIELD RESEARCH TO CHARACTERIZE BEHAVIOR PATTERNS OF ADULT MALES AT LISIANSKI ISLAND.	M	J	
	M	7	COMPLETE SUMMARY REPORT OF ALL PRE-1980 BEACH COUNT DATA ON THE HAWAIIAN MONK SEAL.		S	
	A	8	INITIATE EVALUATION OF SATELLITE TAGS FOR MONITORING AT-SEA MOVEMENT PATTERNS OF MONK SEALS.	M	-	D

FMC	REF. NO.	PAGE
SWC	958	1 OF 2

TITLE	->	PACIFIC-TUNA/BILLFISH MGMT-JIMAR			
TASK NUMBERS ->	8L2APT00	TASK #1	TASK #2	TASK #3	TASK #4
OBJECT CLASS					
DIRECT LABOR					TOTAL
PERS. BENEFITS					
TRAVEL					
TRANSPORTATION					
RENT, COMM., UTIL.					
PRINT/REPROD.					
CONTRACTS					
SUPPLIES/MATERIAL					
EQUIPMENT					
GRANTS	1,564.0				1,564.0
TOTALS	1,564.0				1,564.0
FTE (FTP)					0
FTE (OTFTP)					0

STRATEGIC PLAN	
GOAL #	OBJ #

VESSELS # SEA DAYS ALLOC.		
NOAA	CHARTER	FREE

CROSS REFERENCES

APPROVAL SIGNATURE

HQ CONTACT

CURRENT YEAR OPERATING PLAN

EXECUTIVE SUMMARY

FMC	REF. NO.	PAGE
SWC	958	2 of 2

TITLE	PRIN. FAC.	FTE	\$K	UNIT LEADER	LINE ITEM NAME
Pacific Tuna/Billfish Mgmt	La Jolla, CA	0	1,564.0	Barrett	Fisheries Mgmt Program

A. PROBLEM STATEMENT/OBJECTIVE: Tuna/Billfish Management--JIMAR (Univ. of Hawaii)

B. METHODOLOGY/APPROACH: (To be decided)

C. PRODUCT/SERVICES: Grant

D. CLIENTS:

E. CONTRACTS:

NMFS
CURRENT YEAR OPERATING PLAN
FY 1992

DATE Feb. 5, 1992

FMC REF. NO. PAGE

SWR 962 1 OF 4

TITLE	->	Debris Removal/Monk Seal BH			
TASK NUMBERS ->	8L1A5B7J	TASK #1	TASK #2	TASK #3	TASK #4
OBJECT CLASS					
DIRECT LABOR	11.0				
PERS. BENEFITS	1.7				
TRAVEL	7.3				
TRANSPORTATION	0.0				
RENT, COMM., UTIL.	0.0				
PRINT/REPROD.	0.0				
CONTRACTS	0.0				
SUPPLIES/MATERIAL	0.0				
EQUIPMENT	0.0				
GRANTS	0.0				
TOTALS	20.0				
FTE (FTP)	0.0				
FTE (OTFTP)	0.6				

TOTAL

11.0

1.7

7.3

0.0

0.0

0.0

0.0

0.0

0.0

0.0

20.0

0.0

0.6

STRATEGIC PLAN

GOAL # OBJ #

VESSELS
SEA DAYS ALLOC.

NOAA CHARTER FREE

CROSS REFERENCES

APPROVAL SIGNATURE

Edore Barnett

HQ CONTACT

4/7/92

CURRENT YEAR OPERATING PLAN

EXECUTIVE SUMMARY

FMC	REF. NO.	PAGE
SWR	962	2 OF 4

TITLE	PRIN. FAC.	FTE	\$K	UNIT LEADER	LINE ITEM NAME
MARINE DEBRIS (MONK SEAL)	HON. LAB.	0.6	20.0	W. GILMARTIN	RESRCH & INFO. DISSEM.

- A. PROBLEM STATEMENT/OBJECTIVE: MARINE DEBRIS IN THE NORTHWESTERN HAWAIIAN ISLANDS ENTANGLES AND INJURES AND KILLS HAWAIIAN MONK SEALS. THIS FUNDING SUPPLEMENTS OTHER PROGRAM FUNDS TO ALLOW BEACH DEBRIS CLEANUP AND RESCUE OF ENTANGLED SEALS.
- B. METHODOLOGY/APPROACH: TO REDUCE PROBABILITY OF ENTANGLEMENT, FIELD CAMP PERSONNEL COLLECT LINES, NETS AND OTHER DEBRIS ITEMS FROM THE BEACHES OF THE MONK SEAL BREEDING ISLANDS. THESE ARE CATALOGED TO TYPE AND SIZE AND ARE THEN DESTROYED. FIELD PERSONNEL ALSO IDENTIFY ENTANGLED SEALS AND ATTEMPT TO RELEASE THEM. ALL FIVE MAJOR SEAL BREEDING ISLANDS WILL BE VISITED IN 1992 AND THE BEACHES CLEANED OF HAZARDOUS DEBRIS ITEMS.
- C. PRODUCT/SERVICES: THE DEBRIS TYPES AND AMOUNTS WILL BE SUMMARIZED INTO NOAA ADMINISTRATIVE/TECHNICAL REPORTS. REDUCED SEAL ENTANGLEMENT AND INJURY OR DEATH ARE THE PRIMARY PRODUCTS.
- D. CLIENTS: THE NMFS, U.S. FISH AND WILDLIFE SERVICE, MARINE MAMMAL COMMISSION, HAWAIIAN MONK SEAL RECOVERY TEAM, AND STATE OF HAWAII.
- E. CONTRACTS: NONE.

PERSONNEL SCHEDULE

					FMC	REF. NO.	PAGE
					SWR	962	3 OF 4
#	NAME	TITLE	PAY PLAN/GRADE/STEP	% TIME	TASK #		
TEMPORARY:							
1. TBN		WILDLIFE BIOLOGIST	GS-7/1	57	8L1A5B7J		

FMC	REF. NO.	PAGE
SWR	962	4 OF 4

MILESTONE ARRAY

[illegible]

NMFS
CURRENT YEAR OPERATING PLAN
FY 1992

DATE Feb. 5, 1992

FMC REF. NO. PAGE

SWR 963 1 OF 4

TITLE	->	New Sampling Method/Pel J. Marine Turtle			
TASK NUMBERS ->	8L1A5B7T				
OBJECT CLASS	TASK #1	TASK #2	TASK #3	TASK #4	TOTAL
DIRECT LABOR	7.1				7.1
PERS. BENEFITS	1.4				1.4
TRAVEL	1.0				1.0
TRANSPORTATION	0.0				0.0
RENT, COMM., UTIL.	0.0				0.0
PRINT/REPROD.	0.0				0.0
CONTRACTS	0.0				0.0
SUPPLIES/MATERIAL	10.9				10.9
EQUIPMENT	3.0				3.0
GRANTS	0.0				0.0
TOTALS	25.0				25.0
FTE (FTP)	0.0				0.0
FTE (OTFTP)	0.4				0.4

APPROVAL SIGNATURE

HQ CONTACT

STRATEGIC PLANGOAL # OBJ #VESSELS
SEA DAYS ALLOC.

NOAA CHARTER FREE

CROSS REFERENCES

EXECUTIVE SUMMARY

FMC	REF. NO.	PAGE
SWR	963	2 OF 4

TITLE	PRIN. FAC.	FTE	\$K	UNIT LEADER	LINE ITEM NAME
PELAGIC J. MARINE TURTLE	HON. LAB.	0.4	25.0	G. BALAZS	RESOURCE INFORMATION

- A. PROBLEM STATEMENT/OBJECTIVES: RECOVERY OF TURTLES WORLD-WIDE IS HAMPERED BY THE PAUCITY OF BASIC KNOWLEDGE OF THE PELAGIC STAGE OF DEVELOPMENT OF ALL SPECIES. FOLLOWING HATCHING, MARINE TURTLES SPEND 1-3 YEARS IN THIS PELAGIC STAGE, BUT LOCATING AND CATCHING TURTLES DURING THIS TIME HAS BEEN IMPOSSIBLE TO DATE. A "PUSHNET" FOR DEPLOYMENT IN FRONT OF A SAMPLING VESSEL WHICH SHOULD FACILITATE JUVENILE PELAGIC TURTLE CAPTURE WILL BE DESIGNED AND TESTED.
- B. METHODOLOGY/APPROACH: DESIGN METHODOLOGIES AND ENGINEERING OF THE NET (APPROX. 7 M WIDE x 2.5M DEEP) AND ITS REQUIRED SUPPORT STRUCTURE WILL BE FOLLOWED BY CONSTRUCTION AND TESTING THE GEAR WITHIN THE FISCAL YEAR.
- C. PRODUCT/SERVICES: DESIGN METHODOLOGIES AND RESULTS OF TRIALS WILL BE SUMMARIZED INTO A TECHNICAL REPORT FOR PUBLICATION. FINAL ADJUSTMENTS AND DEPLOYMENT OF THE GEAR FOR PELAGIC TURTLE SAMPLING WILL BE IN FY-93.
- D. CLIENTS: THE PRIMARY CLIENTS ARE THE NMFS, US FISH AND WILDLIFE SERVICE, AND THE RECOVERY TEAM. THE CLIENTS USE THE PRODUCTS TO RECOMMEND AND PLAN FUTURE RESEARCH AND INITIATE MANAGEMENT ACTIONS.
- E. CONTRACTS: NONE.

PERSONNEL SCHEDULE
CURRENT YEAR OPERATING PLAN

PERSONNEL SCHEDULE

FMC	REF. NO.	PAGE
SWR	963	3 OF 4

# NAME	TITLE	PAY PLAN/GRADE/STEP	% TIME	TASK #
TEMPORARY: 1. TBN	BIOLOGICAL TECH.	GS-5/1	40	8L1A5B7T

	FY 92	93	94
1. <i>Salmonella</i> spp.	1	1	1
2. <i>Shigella</i> spp.	1	1	1
3. <i>Yersinia</i> spp.	1	1	1
4. <i>Legionella</i> spp.	1	1	1
5. <i>Campylobacter</i> spp.	1	1	1
6. <i>Escherichia coli</i> spp.	1	1	1
7. <i>Staphylococcus aureus</i>	1	1	1
8. <i>Streptococcus pneumoniae</i>	1	1	1
9. <i>Haemophilus influenzae</i>	1	1	1
10. <i>Mycobacterium tuberculosis</i>	1	1	1
11. <i>Coccidioides immitis</i>	1	1	1
12. <i>Histoplasma capsulatum</i>	1	1	1
13. <i>Blastomyces dermatitidis</i>	1	1	1
14. <i>Cryptosporidium parvum</i>	1	1	1
15. <i>Toxoplasma gondii</i>	1	1	1
16. <i>Giardia lamblia</i>	1	1	1
17. <i>Trichinella spiralis</i>	1	1	1
18. <i>Strongyloides stercoralis</i>	1	1	1
19. <i>Ascaris lumbricoides</i>	1	1	1
20. <i>Enterobius vermiciformis</i>	1	1	1
21. <i>Trichostrongylus axei</i>	1	1	1
22. <i>Ostertagia circumcincta</i>	1	1	1
23. <i>Haemonchus contortus</i>	1	1	1
24. <i>Trichostrongylus colubriformis</i>	1	1	1
25. <i>Trichostrongylus colubriformis</i>	1	1	1
26. <i>Trichostrongylus colubriformis</i>	1	1	1
27. <i>Trichostrongylus colubriformis</i>	1	1	1
28. <i>Trichostrongylus colubriformis</i>	1	1	1
29. <i>Trichostrongylus colubriformis</i>	1	1	1
30. <i>Trichostrongylus colubriformis</i>	1	1	1
31. <i>Trichostrongylus colubriformis</i>	1	1	1
32. <i>Trichostrongylus colubriformis</i>	1	1	1
33. <i>Trichostrongylus colubriformis</i>	1	1	1
34. <i>Trichostrongylus colubriformis</i>	1	1	1
35. <i>Trichostrongylus colubriformis</i>	1	1	1
36. <i>Trichostrongylus colubriformis</i>	1	1	1
37. <i>Trichostrongylus colubriformis</i>	1	1	1
38. <i>Trichostrongylus colubriformis</i>	1	1	1
39. <i>Trichostrongylus colubriformis</i>	1	1	1
40. <i>Trichostrongylus colubriformis</i>	1	1	1
41. <i>Trichostrongylus colubriformis</i>	1	1	1
42. <i>Trichostrongylus colubriformis</i>	1	1	1
43. <i>Trichostrongylus colubriformis</i>	1	1	1
44. <i>Trichostrongylus colubriformis</i>	1	1	1
45. <i>Trichostrongylus colubriformis</i>	1	1	1
46. <i>Trichostrongylus colubriformis</i>	1	1	1
47. <i>Trichostrongylus colubriformis</i>	1	1	1
48. <i>Trichostrongylus colubriformis</i>	1	1	1
49. <i>Trichostrongylus colubriformis</i>	1	1	1
50. <i>Trichostrongylus colubriformis</i>	1	1	1
51. <i>Trichostrongylus colubriformis</i>	1	1	1
52. <i>Trichostrongylus colubriformis</i>	1	1	1
53. <i>Trichostrongylus colubriformis</i>	1	1	1
54. <i>Trichostrongylus colubriformis</i>	1	1	1
55. <i>Trichostrongylus colubriformis</i>	1	1	1
56. <i>Trichostrongylus colubriformis</i>	1	1	1
57. <i>Trichostrongylus colubriformis</i>	1	1	1
58. <i>Trichostrongylus colubriformis</i>	1	1	1
59. <i>Trichostrongylus colubriformis</i>	1	1	1
60. <i>Trichostrongylus colubriformis</i>	1	1	1
61. <i>Trichostrongylus colubriformis</i>	1	1	1
62. <i>Trichostrongylus colubriformis</i>	1	1	1
63. <i>Trichostrongylus colubriformis</i>	1	1	1
64. <i>Trichostrongylus colubriformis</i>	1	1	1
65. <i>Trichostrongylus colubriformis</i>	1	1	1
66. <i>Trichostrongylus colubriformis</i>	1	1	1
67. <i>Trichostrongylus colubriformis</i>	1	1	1
68. <i>Trichostrongylus colubriformis</i>	1	1	1
69. <i>Trichostrongylus colubriformis</i>	1	1	1
70. <i>Trichostrongylus colubriformis</i>	1	1	1
71. <i>Trichostrongylus colubriformis</i>	1	1	1
72. <i>Trichostrongylus colubriformis</i>	1	1	1
73. <i>Trichostrongylus colubriformis</i>	1	1	1
74. <i>Trichostrongylus colubriformis</i>	1	1	1
75. <i>Trichostrongylus colubriformis</i>	1	1	1
76. <i>Trichostrongylus colubriformis</i>	1	1	1
77. <i>Trichostrongylus colubriformis</i>	1	1	1
78. <i>Trichostrongylus colubriformis</i>	1	1	1
79. <i>Trichostrongylus colubriformis</i>	1	1	1
80. <i>Trichostrongylus colubriformis</i>	1	1	1
81. <i>Trichostrongylus colubriformis</i>	1		

[illegible]

TITLE	->	Multispecies Data Coll. and Evaluation			
TASK NUMBERS ->	8N3AG1AC	TASK #1	TASK #2	TASK #3	TASK #4
OBJECT CLASS					
DIRECT LABOR	10.9				
PERS. BENEFITS	2.1				
TRAVEL	1.0				
TRANSPORTATION	0.0				
RENT, COMM., UTIL.	1.0				
PRINT/REPROD.	2.0				
CONTRACTS	4.0				
SUPPLIES/MATERIAL	2.0				
EQUIPMENT	2.0				
GRANTS	0.0				
TOTALS	25.0				
FTE (FTP)					
FTE (OTFTP)	0.5				

TOTAL

10.9

2.1

1.0

0.0

1.0

2.0

4.0

2.0

2.0

0.0

25.0

0.5

STRATEGIC PLAN

GOAL # OBJ #

VESELS
SEA DAYS ALLOC.

NOAA CHARTER FREE

CROSS REFERENCES

APPROVAL SIGNATURE

HQ CONTACT

Egdonne Sane th

EXECUTIVE SUMMARY

TITLE	PRIN. FAC.	FTE	\$K	UNIT LEADER	LINE ITEM NAME
	La Jolla	0.5	25.0	A. Coan	Info. Analysis & Dissem.

A. PROBLEM STATEMENT/OBJECTIVE: This task will recover historical logbook, market sampling records and biological sampling records from California harpoon and U.S. western Pacific purse seine fisheries; create a computer data base of the records; and make the data (catch, effort, sizes of fish, etc.) available to scientists responsible for assessing the condition of the resource and to administrators responsible for conservation of the resource.

B. METHODOLOGY/APPROACH: California Harpoon Data. Work will be undertaken in two parts. The first will be to completely key punch and edit harpoon data from logbooks for 1981 to 1991. The second part will be to enter market samples of landed fish for 1981 to 1991, and cross reference these samples with landing and logbook data. These activities will be accomplished by assigning a SWFSC employee to CF&G, Long Beach, California, where the confidential logbook and market sampling data are located. Processing techniques that have been developed by SWFSC personnel will be employed. Data will be manually entered to data bases and manual and computer edits performed. The data will be processed on IBM-compatible micro-computers. Work for the first part is expected to be completed by July 1, 1992 and for the second, July 1, 1993. Western Pacific U.S. Purse Seine Data. Detailed fishing data for the period 1976 to 1988 will be extracted from original logbooks, edited and placed on a data system in two phases. The first phase will include an inventory of the data and editing of the files. The second phase will data extraction and data base assembly. A SWFSC employee will be assigned to work with SPC. All data will be manually and computer edited, and archived on IBM-compatible micro-computers. The first phase of work is expected to be completed on September 1, 1992 and the second on September 1, 1993.

C. PRODUCTS/SERVICES: All recovered data will be processed and made available on IBM-compatible micro-computer files. Files will include California harpoon logbook data 1981-91, California harpoon market samples 1981-91, Western Pacific logbook data summaries for 1976-88, Western Pacific tuna port sampling data for 1976-88.

D. Clients: Data bases will be made available to scientists responsible for assessing the condition of the resource and to administrators responsible for conservation of the resource.

E. CONTRACTS: Software - \$1.5K, GSA
Keypunch - \$1.0K, Private

PERSONNEL SCHEDULE

#	NAME	TITLE	PAY PLAN/GRADE/STEP	% TIME	TASK #
Vacant		Biological Technician	GS6/1	50	8N3AG1AC

MILESTONE ARRAY

MILESTONE ARRAY																	
TASK #	MAE	SEQ	SIGNIFICANT MILESTONE DESCRIPTIONS	FY 92												93	94
				1	2	3	4	1	2	1	2	1	2				
8N3AG1AC	A	1	Keypunch and edit harpoon logbooks				J										
8N3AG1AC	A	2	Keypunch and edit market sample data and cross reference to logbook and landing data								J						
8N3AG1AC	A	3	Inventory data for western Pacific purse seine data and edit				S										
8N3AG1AC	A	4	Extract data from files, key punch and assemble data base								S						

NMFS
CURRENT YEAR OPERATING PLAN
FY 1992

DATE	Feb. 5, 1992	
FMC	REF. NO.	PAGE
SWR	970	1 OF 4

TITLE	->	WPACFIN (Add-On)			
TASK NUMBERS ->		TASK #1	TASK #2	TASK #3	TASK #4
OBJECT CLASS		8LIBINPF			
DIRECT LABOR		66.7			66.7
PERS. BENEFITS		10.1			10.1
TRAVEL		16.0			16.0
TRANSPORTATION		0.0			0.0
RENT, COMM., UTIL.		3.5			3.5
PRINT/REPROD.		0.0			0.0
CONTRACTS		6.9			6.9
SUPPLIES/MATERIAL		8.4			8.4
EQUIPMENT		6.9			6.9
GRANTS		0.0			0.0
TOTALS		119.5			119.5
FTE (FTP)		0.0			0.0
FTE (OTFTP)		3.1			3.1

<u>STRATEGIC PLAN</u>	
GOAL #	OBJ #

VESSELS # SEA DAYS ALLOC.		
NOAA	CHARTER	FREE

<u>CROSS REFERENCES</u>

APPROVAL SIGNATURE *Robert Saveth* 4/7/92 HQ CONTACT

CURRENT YEAR OPERATING PLAN

EXECUTIVE SUMMARY

TITLE	PRIN. FAC.	FTE	\$K	UNIT LEADER	LINE ITEM NAME
WPACFIN ADD-ON	HON. LAB.	3.1	119.5	D. HAMM	INFO. ANAL. & DISSEM.

A. PROBLEM STATEMENT/OBJECTIVES: THE WESTERN PACIFIC FISHERY INFORMATION NETWORK (WPACFIN) ADD-ON MAKES IT POSSIBLE TO MEET THE MAE'S SPECIFIED UNDER THE GENERAL WPACFIN CYOP BY PROVIDING THE NEEDED ADDITIONAL TEMPORARY STAFF AND PHYSICAL RESOURCES. IN ADDITION TO ENABLING ACCOMPLISHING AND ENHANCING MAE'S 1-10 UNDER THE BASE WPACFIN CYOP, THE ADD-ON FUNDS WILL BE USED TO BEGIN A WPACFIN ISLAND DATA ASSESSMENT (WIDA) PROJECT TO ANALYZE EXISTING DATA FOR GUAM, WITH A DESIRED GOAL OF DOCUMENTING NEEDED SAMPLING LEVELS TO OBTAIN SPECIFIED CONFIDENCE LIMITS ON COLLECTED DATA. THESE FUNDS ALSO MAKE IT POSSIBLE TO BEGIN DEVELOPING AN ON-LINE QUERY SYSTEM FOR THE CENTRAL WPACFIN DATA BASES.

B. METHODOLOGY/APPROACH: PERSON WITH BIOLOGICAL AND STATISTICAL BACKGROUND WILL BECOME FAMILIAR WITH THE GUAM CREEL SURVEY DATA AND WILL DEVELOP AND BEGIN TO EXECUTE AN ANALYTICAL RESEARCH PLAN TO STATISTICALLY DOCUMENT HISTORICAL DATA FOR THE WIDA PROJECT. A COMPUTER PROGRAMMER WILL BEGIN DEVELOPING A CENTRAL SYSTEM ON-LINE QUERY SYSTEM FOR MAJOR ISLAND DATA BASES.

C. PRODUCT/SERVICES: IN ADDITION TO IMPROVED BASE LEVEL PRODUCTS, A WIDA PROJECT DATA ANALYSIS PLAN AND RECOMMENDATIONS WILL BE DEVELOPED. INITIAL CENTRAL ON-LINE QUERY SYSTEM SPECIFICATIONS AND SOME LIMITED INTERFACE ROUTINES WILL BE DEVELOPED IN THE EARLY STAGES OF THIS LARGE-SCALE PROJECT.

D. CLIENTS: USERS INCLUDE THE WESTERN PACIFIC REGIONAL FISHERY MANAGEMENT COUNCIL AND ITS STAFF, SCIENTIFIC AND STATISTICAL COMMITTEE, ADVISORY GROUPS, AND FISHERY MANAGEMENT PLAN MONITORING TEAMS; NMFS EMPLOYEES; PACIFIC ISLAND FISHERIES AGENCIES; UNIVERSITY RESEARCHERS; CONTRACTORS; THE FISHING INDUSTRY; AND INTERNATIONAL ORGANIZATIONS SUCH AS THE SOUTH PACIFIC COMMISSION AND PAO.

E. CONTRACTS: REPAIR AND MAINTENANCE OF COMPUTER HARDWARE (\$6.9K).

FMC

REF. NO.

PAGE

SWR

NEW

2 OF 4

NOAA FISHERIES
CURRENT YEAR OPERATING PLAN

PERSONNEL SCHEDULE

FMC	REF. NO.	PAGE
SWR		3 OF 4

#	NAME	TITLE	PAY PLAN/GRADE/STEP	% TIME	TASK #
TEMPORARIES:					
1.	ANTONIO, ROBERT	COMPUTER PROGRAMMER	GS-5/1	100	
2.	LJUM, HENRY	COMPUTER PROGRAMMER	GS-7/1	100	
3.	TOKITA, CHRISTOPHER	COMPUTER AID	GS-3/1	45	
4.	INOUE, CORRINE	COMPUTER AID	GS-3/1	50	
5.	YANAGI, DORIS	COMPUTER AID	GS-3/1	15	

NOAA FISHERIES
CURRENT YEAR OPERATING PLAN

PAGE

PAGE

FMC

REF. NO.

SWR

NEW

4 OF 4

MILESTONE ARRAY

MILESTONE ARRAY			FY 92												93		94	
TASK #	MAE	SEQ	SIGNIFICANT MILESTONE DESCRIPTIONS															
NEW	A	1	SUPPORT ACCESS TO CENTRAL WPACFIN DATA BASES AND IMPLEMENT BASIC ON-LINE SYSTEM.															
	A	2	FULFILL DATA REQUESTS AND PRODUCE SUMMARY REPORTS NEEDED FOR PLANNING AND MANAGEMENT.															
	M	3	COMPLETE REPROGRAMMING OF REMAINING ISLAND SYSTEMS.															
	E	4	COMPLETE SUPPORT TO THE COMPACT STATES DATA STANDARDIZATION PROJECT.															
	M	5	COMPLETE MANUSCRIPT SUMMARIZING RESULTS OF THE HAWAII CREEL SURVEY PROJECT.															
	E	6	DEVELOP PLAN FOR ANALYZING DATA SYSTEM IN FLAG STATE AREA.															
	A	7	BEGIN WPACFIN ISLAND DATA ASSESSMENT (WIDA) PROJECT USING GUAM DAWR CREEL SURVEY DATA FOR ANALYSIS.															
	A	8	BEGIN DEFINING AND DEVELOPING MODULES OF THE CENTRAL WPACFIN DATA BASE ON-LINE QUERY SYSTEM.															

765T 'C. 0041

DATE	Feb. 5, 1992
FMC	REF. NO.
SWR	999 971
	PAGE
	1 OF 4

TITLE		Longline Logbook (Add-On)				
TASK NUMBERS ->	81115000					
OBJECT CLASS	TASK #1	TASK #2	TASK #3	TASK #4	TOTAL	
	81281P8H					
DIRECT LABOR	34.0				34.0	
PERS. BENEFITS	4.9				4.9	
TRAVEL	3.5				3.5	
TRANSPORTATION	2.5				2.5	
RENT, COMM., UTIL.	0.0				0.0	
PRINT/REPROD.	0.0				0.0	
CONTRACTS	0.0				0.0	
SUPPLIES/MATERIAL	10.0				10.0	
EQUIPMENT	6.6				6.6	
GRANTS	0.0				0.0	
TOTALS	61.5				61.5	
FTE (FTP)	0.7				0.7	
FTE (OTFTP)	0.8				0.8	

APPROVAL SIGNATURE

Agnes Sanett

4792 HQ CONTACT

Longline Logbook (Add-On)

STRATEGIC PLAN

GOAL #	OBJ #
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11
12	12
13	13
14	14
15	15
16	16
17	17
18	18
19	19
20	20
21	21
22	22
23	23
24	24
25	25
26	26
27	27
28	28
29	29
30	30
31	31
32	32
33	33
34	34
35	35
36	36
37	37
38	38
39	39
40	40
41	41
42	42
43	43
44	44
45	45
46	46
47	47
48	48
49	49
50	50
51	51
52	52
53	53
54	54
55	55
56	56
57	57
58	58
59	59
60	60
61	61
62	62
63	63
64	64
65	65
66	66
67	67
68	68
69	69
70	70
71	71
72	72
73	73
74	74
75	75
76	76
77	77
78	78
79	79
80	80
81	81
82	82
83	83
84	84
85	85
86	86
87	87
88	88
89	89
90	90
91	91
92	92
93	93
94	94
95	95
96	96
97	97
98	98
99	99
100	100

OBJ #

VESSELS
SEA DAYS ALLOC.

NOAA

CHAPTER

FREE

CROSS REFERENCES

EXECUTIVE SUMMARY

FMC	REF. NO.	PAGE
SWR	984	2 OF 4

TITLE	PRIN. FAC.	FTE	\$K	UNIT LEADER	LINE ITEM NAME
LONGLINE LOGBOOK PROGRAM	HON. LAB.	1.5	61.5	S. POOLEY	SOURCE INFORMATION

A. PROBLEM STATEMENT/OBJECTIVE: TO MONITOR THE HAWAII COMMERCIAL LONGLINE FISHERY AND ACQUIRE SCIENTIFIC INFORMATION ON FISH CATCH AND EFFORT. TO ACQUIRE SCIENTIFIC INFORMATION ON POSSIBLE INTERACTIONS BETWEEN COMMERCIAL FISHING BOATS AND PROTECTED SPECIES.

B. METHODOLOGY/APPROACH: DEPLOY, RETRIEVE, AND COMPUTERIZE LOGBOOKS REQUIRED OF ALL LONGLINE VESSELS FISHING IN THE WESTERN PACIFIC EEZ. ENSURE QUALITY CONTROL THROUGH INTERACTION WITH FISHING VESSEL CAPTAINS. ACQUIRE ECONOMIC INFORMATION WHEN POSSIBLE THROUGH INFORMAL INTERVIEWS.

C. PRODUCT/SERVICES: BASIC CATCH EFFORT INFORMATION ON PELAGIC LONGLINE FISHING. QUARTERLY AND ANNUAL REPORTS SUMMARIZING FISHING EFFORT AND TOTAL CATCH BY MAJOR FISHING AREAS.

D. CLIENTS: HONOLULU LABORATORY'S INSULAR AND PELAGIC INVESTIGATIONS. WESTERN PACIFIC REGIONAL FISHERY MANAGEMENT COUNCIL. COMMERCIAL FISHING INDUSTRY.

E. CONTRACTS: NONE.

NOAA FISHERIES
CURRENT YEAR OPERATING PLAN

PERSONNEL SCHEDULE

FMC	REF. NO.	PAGE
SWR	984	3 OF 4

#	NAME	TITLE	PAY PLAN/GRADE/STEP	% TIME	TASK #
PERMANENT:					
1.	TBN	BIOLOGICAL TECH.	GS-6/1	67	8L1A5VMS
TEMPORARIES:					
1.	DOLLAR, R.	BIOLOGICAL TECH.	GS-5/1	33	8L1A5VMS
2.	YOSHIMOTO, S.	COMPUTER PROGRAMMER	GS-5/1	25	8L1A5VMS
3.	TOKITA, C.	COMPUTER AID	GS-3/1	25	8L1A5VMS

FMC	REF. NO.	PAGE
SWR	984	4 OF 4

MILESTONE ARRAY

[illegible]

